CONNECT THE WORLD
SMARTER THE FUTURE

Maiwe

Products Catalogue

武汉迈威通信股份有限公司
WUHAN MAIWE COMMUNICATION CO.,LTD

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WUHAN-CHINA

Maiwe

PRODUCTS CATALOG

Industrial Switch | Marketing Oriented Switch |Embedded Switch| Industrial Wireless | Industrial Networking Device

Connect the world, Smarter the future

ENTERPRISE PROFILE

Wuhan Maiwe Communication Co., Ltd.(Stock code:873461) is committed to industrial Internet communication. It is a high-tech enterprise focusing on providing reliable industrial Internet communication products and independent controllable system solutions for industrial projects. It is headquartered in the national high-tech development zone “Wuhan·Optics Valley of China”, set autonomous research development,production, sales and service.

Since Wuhan Maiwe Communication Co., Ltd has established, Maiwe has always insisted on "Sincerity&Positive and Innovation&Excellence” corporate philosophy, taking "the world's leading industrial Internet communications experts"as the strategic goal, regarding "embedded, intelligent, systematic, integrated"as technology-oriented, providing users with comprehensive system integration, hardware and software product service.

In the future, Maiwe will continue to be market-oriented and innovation-driven, to quality for survival,gradually becoming the world's leading industrial interconnect Network + Industrial Internet of Things leading brand!

Development History [2001-2022]

2001 — Maiwe established, started to developed and produced industrial serial ports products.

2004 — Combine with the development advantages of the optoelectronic industry of "Wuhan • China Optics Valley", the company took the lead in launching a series of industrial fiber converters in China and entered the era of optical fiber communication.

2008 — Develop Industrial management Ethernet switches products line and rail-transit switches

2012 — Pass High-tech Enterprise Certificate, remark Maiwe become one of the high-tech enterprises in China.

2016 — Develop Industrial-grade layer 3 Ethernet switch series.

2018 — Move to the new office,start 5G strategy and IOT products lines.

2019 — Develop MES series embedded switches and modules for Mining industry,and updating serial servers products line.

2020 — Top ten outstanding enterprises of intelligent transportation in China, Win Gazelle Enterprise award.

2021 — Be a listed company in China

2022 — Maiwe still on the road.....

Over 21 years

Connecting a better world with smart innovation

QUALIFICATION HONOR

In line with the world's first-class enterprises, Maiwe has carried out a series of process introduction and management innovation, and made continuous improvements in R&D management, marketing management, supply chain management, quality management, logistics management, human resources management, financial management, etc. Introducing modern management concepts at home and abroad and establish a series of management systems and quality operation systems. As an international comprehensive industrial enterprise, Maiwe Communication has passed the ISO9001 quality management system, ISO45001 occupational health management, ISO14001Q environmental management system certification, and obtained the US UL(MIEN2205), UK UKCA, EU CE, customs union EAC, 3C, CNAS laboratory Accreditation and other related qualification certifications which can be traced to the entire life cycle based on international mainstream quality control standards.

Environmental Management System Certificate

Occupational Health Management Certificate

Quality Management System Certificate

Invention patents

Computer software copyright registration certificate

UL Certification

EAC Certification

CE、FCC、RoHS

State Grid Electric Power Testing and Certification

Ministry of Public Security Certification

Ministry of Industry and Information Technology Certification

Rail transit testing and certification

CCC certification

Telecom Network Access License

C4 anti-corrosion certification

Salt spray testing and certification

ENTERPRISE HOHOR

The company has successively won listed gold seed enterprise,SRDI enterprise,the implementation of the national two integration management system of enterprise,Class A Enterprises with Innovation and Entrepreneurship Strategy,National high-tech enterprise, 3551 Most Investment Value Enterprise Award, Excellent Intelligent Transportation Enterprise, Gazelle Enterprise, Double Software Enterprise, Top Ten Outstanding Growth Enterprises of Intelligent Transportation and other honorary titles and so on

SRDI enterprise

Cultivation and Development enterprise

Class A Enterprises with Innova - tion and Entrepreneurship Strategy

Top Ten Entrepreneurship Award

Gazelle enterprise

High-tech enterprise

Talent Support Program

Excellent intelligent transportation enterprise

Software Enterprise Certificate

3551 Most Investment Value Enterprise Award

Ten outstanding growth enterprises of intelligent transportation

SERVING NETWORK

Create sales network in domestic and global markets

Relying on the influence of the Maiwe brand, Maiwe currently has 8 sales outlets in more than 30 provincial-level administrative regions, with a global marketing network, serving tens of thousands of customers, connecting tens of millions of products, and providing users with Efficient and professional customer service consultation, product selection, technical support and order processing services.

Domestic sales network

Headquarters: Wuhan, China

Offices: Beijing, Shanghai, Nanjing, Jinan, Shenzhen, Chengdu, Xi'an

Global sales network

Distributors: Singapore, Korea, USA, Russia, Germany, France, Australia, Italy, etc.

Professional Service with Efficient Response

Presale
Determine the software/hardware solution suitable for the user
Provide hardware platform testing close to user requirements

After sale
7* 24-hour technical support
Product selection and project application design
Pointed engineer for key client and project

Principle design
Develop R&D plans according to user needs
Internal closed feasibility test
Identify key technologies and key component

Engineering
Engineering testing and design reviews
Adopt user rationalization suggestions

Trial production
Small batch trial production
Guarantee the function and performance of the product

User test
Samples are delivered to users for testing
The engineers conduct re-testing and modification and adjustment

CORE BUSINESS

Comprehensive coverage of industrial scenarios, providing hardware, platforms and solutions

Maiwe business involves industrial Ethernet, industrial wireless communication, industrial Internet of Things access, field bus transmission, industrial network operation platform and other professional fields. The products have been widely used in smart grid, rail transit, integrated Pipe gallery, intelligent transportation, smart city, mining and metallurgy, petroleum and petrochemical, new energy, smart factories, military industry, building security and other fields.

Maiwe advantages

Hardware design

- Focus on ARM-based processors;
- Based on specific product, flexibly choose the development platform;
- Wireless data transmission: 5G, 4G, WiFi-6, NB-Iot, Lora, Bluetooth;
- Communication interface: 10 Gigabit Ethernet, 10/100/1000M Ethernet, RS232/485/422, CANBus, USB, IIC, SPI, etc.

Software design

- Porting: Linux\WinCE;
- Development of device drivers;
- Communication protocol conversion;
- Application software development.

Systems engineering design

- rich experience in developing industrial products independently;
- Full consideration of product design details;
- Unified design software: PowerPCB\Protel 99SE;
- Pay attention to the introduction of miniaturization, low power consumption design concept.

Deliverability

- Perfect production information management system;
- Implement 6S management system
- The annual delivery capacity is over 300,000 units.

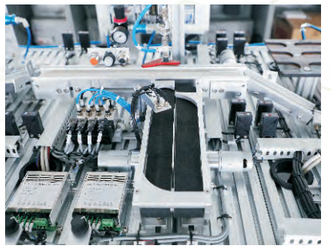
Comprehensive Energy

Smart City

Rail Transit

Intelligent Transportation

Smart Mine



Smart Factory

PRODUCT LINE

5+ Product Lines, 1K+ SKUs

MAIWE has 5 product lines of industrial Ethernet switches, marketing-oriented switches, embedded modules, industrial wireless, and industrial networking devices, and is committed to providing comprehensive industrial Ethernet products and solutions for many industrial customers around the world. As the harsh industrial site environment requires higher equipment's stability and reliability, a strong and reliable network is becoming more and more important for the communication of key business in the industrial site. MAIWE's industrial Ethernet products have redundant functions and can adapt to a wide temperature environment from -40 ℃ to 85 ℃. Its IP40 protection level is suitable for harsh operating environments, and customized services can meet the changing scene needs of various types of customers.

INDUSTRIAL ETHERNET SWITCH

Layer 3 Aggregation Industrial Ethernet Switch

With the continuous increase of network transmission bandwidth, the layer 3 aggregation core network has increased from the previous Gigabit to 10-Gigabit, and the port bandwidth requirements of switch equipment have also been improved. MAIWE MISCOM8000 series layer 3 industrial Ethernet switches are designed. It is the core product of network aggregation and network layer 3 forwarding services provided in the field of industrial communication. This series of products has flexible interface distribution, supports a variety of 10 Gigabit and Gigabit optical and copper ports, and supports rack or outdoor rail installation in installation mode. It meets various communication application scenarios in the field of industrial communication.

Layer 2 Managed Industrial Ethernet Switches

MAIWE managed industrial Ethernet switches have rich network business functions, rich management features can facilitate users to quickly and easily deploy the network in the industrial site, the performance optimization of network service transmission and network equipment management, in addition to the management features In addition, MAIWE managed switches have high and low temperature adaptability and excellent EMC/EMI immunity design in the application environment, which can be widely used in industrial control and monitoring networks in various industries.

Industrial PoE Ethernet Switch

VTS series industrial-grade PoE switches are Ethernet switches with industrial-grade POE power supply function developed by MAIWE for video surveillance, wireless transmission, video conferencing and other application fields. The PoE power supply of this series of products conforms to the IEEE802.3af/at(PoE/PoE+) standard and supports automatic identification. Power is supplied to PoE devices, which is safe and stable and does not damage the device. It has intelligent power distribution management technology, and supports a power supply priority mechanism for POE ports. When the remaining power is insufficient, priority is given to ensuring the power supply of the port with high priority to prevent the equipment from running beyond the power limit.

Unmanaged Industrial Ethernet Switches

MAIWE unmanaged industrial Ethernet switches are mainly used in small and medium-sized access or aggregation networks. This series of products have the characteristics of high-speed wire-speed forwarding and instant use. They adopt industrial-grade quality design solutions on core devices. It can ensure the stable operation of the equipment in the front end of the harsh industrial field or in the high electromagnetic radiation scene.

Industrial Media Converter

MAIWE industrial media converters can cooperate with industrial Ethernet switch multiple opitical switch to realize an all-optical star network structure, or they can be used in pairs to easily and quickly realize the conversion of Ethernet photoelectric signals, and carry out long-distance business transmission through optical fibers. It is suitable for application scenarios such as security monitoring, wireless networking and optical fiber access in various industrial sites.

MARKETING ORIENTTED SWITCH

Switches for Coal/Mines

The mining Ethernet switch is a low-power switch independently developed for the coal and non-coal industries that meets the requirements of intrinsic safety. The switch series is rich in products ranging from ground 10G core ring network applications to underground Gigabit/100M aggregation access rings. In addition to a wealth of optional Ethernet optoelectronic interfaces, the product also supports extended RS485 and CAN interfaces. The highly stable integration method can meet the multi-functional integration needs of mining substations.

Switches for Rail Transit

Admas series Ethernet switches comply with EN50155/ EN50121 rail transit certification standards. All Ethernet ports of the switches support M12 plugs, support bypass power-off function, ring network redundancy and other technical features. At the same time, the operating temperature, power input voltage, surge, ESD and vibration insulation all meet the requirements of rail transit trains, and have been widely used in the normal operation of rail transit, such as train control, PIS, train-ground information interaction, etc.

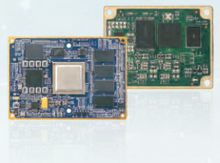
Switches for Electric Power

In multiple systems such as distribution network and power generation control, especially in some remote areas with poor environment, MAIWE's power special switch has high-strength electromagnetic anti-interference design, wide operating temperature and stable Ethernet switching transmission. The technology can give full play to the huge advantages of industrial products in the daily maintenance and management of ensuring the unified networking communication of the power station system and the stable operation of the equipment, and can well solve the problems of high equipment maintenance costs in the power system.

EMBEDDED MODULE

Industrial Switch Module

The embedded industrial switch module is a highperformance, low-cost embedded network managed industrial switch core technology module specially developed for industrial applications. The entire module is composed of professional communication module chips, and has independent intellectual property rights in the switch application program. The small size and the use of industrial-grade components make it easy for users to quickly realize various forms of industrial Ethernet switches through simple development and configuration.



Industrial Control Core Module

The industrial control core module is a high-end heterogeneous multi-core industrial control core module designed based on TI and NXP technology. The module integrates DSP and I2C communication bus connection. It has rich on-board resources, including UART, TSIP, SPI, JTAG, etc. High-speed connectors lead to high-speed communication network ports, various industrial communication interfaces such as CAN, RS485, USB, etc. The industrial control core module products have been verified by professional PCB layout and high and low temperature tests, and their performance is stable and reliable.

INDUSTRIAL WIRELESS

Industrial Cellular Wireless DTU

The industrial cellular wireless DTU series is a cost-effective wireless data transmission terminal product. It takes the LTE network as the bearer network to provide industrial and commercial users with a wireless data transmission channel over TCP/IP, and realizes field serial devices. The wireless communication with the central control system can easily complete the remote data collection and control of on-site equipment, greatly improve the efficiency of construction and installation, reduce the operating cost of the system, and enable users to truly experience the convenience of wireless communication.

Industrial Wireless Router

MIR series industrial wireless routers use 2G/3G/4G/5G high-speed wireless networks as data bearer networks to provide secure and high-speed wireless connections for networking between remote devices and data centers. MIR series products meet the needs of industrial users, with low power consumption and strict EMC indicators, and can meet the network communication requirements in the harsh environmental temperature and electromagnetic interference environment of industrial sites.

Industrial Wireless AP/AC

Industrial wireless AP/AC series products are industrial-grade communication products that support 802.11ax technical standards. This series of products provides high-density wireless access and high-capacity wireless services, and supports OFDMA\1024-QAM modulation, space division multiplexing technology, etc., in the support of 2.4GHz and 5.8GHz dual-band mode, the MIMO technology is used to provide wireless transmission rates of up to 1774Mbps for the user's wireless transmission network. At the same time, it has a longer transmission time and can reduce the terminal packet loss rate for industrial field communication applications.

INDUSTRIAL NETWORKING DEVICES

Industrial Smart Gateway

MAIWE industrial smart gateway series products combine various network access methods such as cellular, WiFi, wired Ethernet, etc., users in the gateway information collection, device and variable definition remote deployment and firewall and other functions as one of the industrial-grade gateway devices, suitable for application The access node of large-scale distributed equipment can collect the field equipment data to the gateway node for calculation and analysis, and then transmit it to the user or the MAIWE cloud platform through MQTT, which is convenient for the customer application system to realize data collection and remote control, and is widely used in various industrial control industry.

Serial Device Networking

MAIWE serial device networking server provides a simple and quick way to connect serial devices to an industrial Ethernet network through a network port, supports wired and wireless networks, and supports standard TCP/IP, Modbus in function to provide multi-channel mapping and multi-channel access Configuration, can provide a variety of operation methods such as virtual serial port, UDP multicast function to meet the needs of industrial automation and data acquisition applications.

CAN Device Networking

CAN device networking server supports the standard CAN2.0 protocol, provides a simple and fast connection of CAN terminal devices to the industrial Ethernet network through the network port, and supports the standard TCP/IP/Modbus in function to provide multiple mapping and multiple access. Providing a variety of operation methods such as virtual serial port, UDP multicast function to meet the needs of industrial automation and data acquisition applications.

Serial to Fiber Converter

Serial to fiber converter adopts industrial-grade chip design, which is the best product to connect the remote terminal unit of the industrial field to the host, or to control the distributed data acquisition system. Using optical fiber transmission, the effective communication distance can reach 80km.

Serial Converter

MAIWE's serial converter realizes the isolation conversion function of RS232, RS485 and RS422 serial interface. It has built-in photoelectric isolation device, provides isolation voltage up to 2500Vrms, and has a fast transient voltage suppression protection design. The product supports serial port power stealing technology, has its own line short circuit and data error detection functions, and has long communication transmission distance. It is widely used in complex industrial systems.

Serial Repeater

The serial repeater is also called the serial isolator. It adopts advanced photoelectric isolation technology to protect the serial interface of RS232 and RS485 devices to the greatest extent. It can effectively avoid the damage of equipment interface caused by ground loop voltage, surge, induced lightning strike, static electricity and hot swap, and is widely used in interface protection applications of industrial field systems.

Contents

INDUSTRIAL SWITCH

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- Layer2 managed industrial Ethernet switches
- Layer 2 unmanaged industrial Ethernet switches
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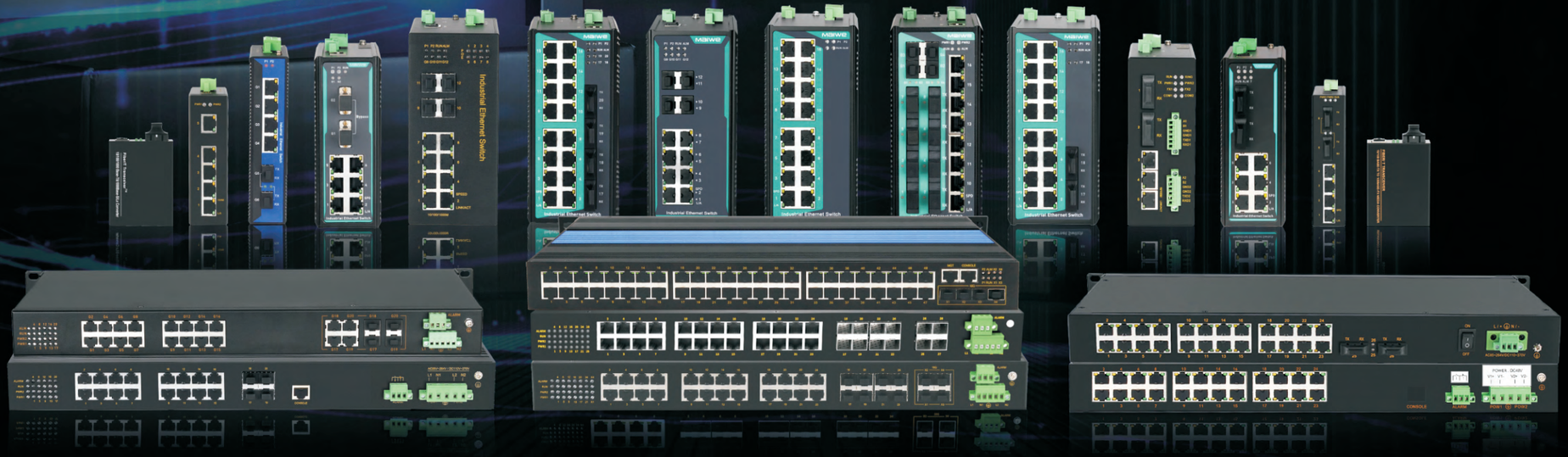
- Industrial media converters



Industrial Ethernet Switch

Layer 3 Core Switch

Model	MISCOM8052G-4XGF-48GT	MISCOM8028GX-4XGF-16GF-8GC	MISCOM8028G-4XGF-8GC-16GT
			
Port Number	**52**	**28**	**28**
10/100M RJ45 port	—	—	—
10/100/1000M RJ45 port	48	—	16
100M fiber port	—	—	—
1000M SFP fiber port	—	16	—
1G/10G SFP+ fiber port	4	4	4
Gigabit Combo port	—	8	8
Power			
Power input	AC/DC220V	AC/DC220V	AC/DC220V
Consumption	< 45W(MAX)	< 40W(MAX)	< 30W(MAX)
Working Environment			
Operating temperature	-40℃~+70℃	-40℃~+70℃	-40℃~+70℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Rack Mount	Rack Mount	Rack Mount
Dimensions(L)*(W)*(H)(mm)	482.6×44×315	482.6×44×315	482.6×44×315
Switching Performance			
Switching bandwidth	176Gbps	128Gbps	128Gbps
MAC table	16K	16K	16K
IGMP Group	1024	512	512
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support
BSP	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS/EAPS	Support	Support	Support
MSTP(RSTP/STP)	Support	Support	Support
Layer 3 Software Property			
Layer 3 routing	Support	Support	Support
Multicast routing	Support	Support	Support
VRRP	Support	Support	Support
Management			
SNMPv1/v2/v3	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Support	Support	Support
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
Device management	Support	Support	Support
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Industrial Ethernet Switch

Layer 3 Core Switch

Model	MISCOM8028GX-20GF-8GC	MISCOM8028G-4GF-8GC-16GT	MISCOM8020G-4GF-16GT	MISCOM8220G-4GF-16GT
				
Port Number	**28**	**28**	**20**	**20**
10/100M RJ45 port	—	—	—	—
10/100/1000M RJ45 port	—	16	16	16
100M fiber port	—	—	—	—
1000M SFP fiber port	20	4	4	4
1G/10G SFP+ fiber port	—	—	—	—
Gigabit Combo port	8	8	—	—
Power				
Power input	AC/DC220V	AC/DC220V	AC/DC220V	AC/DC220V,DC24/48V
Consumption	< 40W(MAX)	< 27W(MAX)	< 15W(MAX)	< 15W(MAX)
Working Environment				
Operating temperature	-40℃~+70℃	-40℃~+70℃	-40℃~+70℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Rack Mount	Rack Mount	Rack Mount	Din Rail
Dimensions(L)*(W)*(H)(mm)	482.6×44×315	482.6×44×315	482.6×44×210	156×137.7×85
Switching Performance				
Switching bandwidth	56Gbps	56Gbps	40Gbps	40Gbps
MAC table	16K	16K	16K	16K
IGMP Group	512	512	512	512
Basic Function				
QoS/VLAN	Support	Support	Support	Support
Port static trunk/LACP	Support	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support	Support
BSP	Support	Support	Support	Support
Redundancy Protocol				
MW-Ring	Support	Support	Support	Support
ERPS/EAPS	Support	Support	Support	Support
MSTP(RSTP/STP)	Support	Support	Support	Support
Layer 3 Software Property				
Layer 3 routing	Support	Support	Support	Support
Multicast routing	Support	Support	Support	Support
VRRP	Support	Support	Support	Support
Management				
SNMPv1/v2/v3	Support	Support	Support	Support
LLDP	Support	Support	Support	Support
DHCP	Support	Support	Support	Support
RMON	Support	Support	Support	Support
GVRP	Support	Support	Support	Support
GMRP	Support	Support	Support	Support
Device management	Support	Support	Support	Support
Security				
802.1X	Support	Support	Support	Support
HTTPS/SSL	Support	Support	Support	Support
Port security binding	Support	Support	Support	Support
ACL	Support	Support	Support	Support
RADIUS	Support	Support	Support	Support

Industrial Ethernet Switch

Layer 3 Core Switch

Model	MISCOM8028-4GF	MISCOM8028-4GF-4F	MISCOM8028-4GF-8F
			
Port Number	**28**	**28**	**28**
10/100M RJ45 port	24	20	16
10/100/1000M RJ45 port	—	—	—
100M fiber port	—	4	8
1000M SFP fiber port	4	4	4
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	AC/DC220V	AC/DC220V	AC/DC220V
Consumption	<35W(MAX)	<35W(MAX)	<35W(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Rack Mount	Rack Mount	Rack Mount
Dimensions(L)*(W)*(H)(mm)	482.6×44×315	482.6×44×315	482.6×44×315
Switching Performance			
Switching bandwidth	12.8Gbps	12.8Gbps	12.8Gbps
MAC table	8K	8K	8K
IGMP Group	512	512	512
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support
BSP	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS/EAPS	Support	Support	Support
MSTP(RSTP/STP)	Support	Support	Support
Layer 3 Software Property			
Layer 3 routing	Support	Support	Support
Multicast routing	Support	Support	Support
VRRP	Support	Support	Support
Management			
SNMPv1/v2/v3	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Support	Support	Support
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
Device management	Support	Support	Support
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Industrial Ethernet Switch

Layer 3 Core Switch

Model	MISCOM8028-4GF-12F	MISCOM8028-4GF-16F	MISCOM8028-4GF-24F
			
Port Number	**28**	**28**	**28**
10/100M RJ45 port	12	8	—
10/100/1000M RJ45 port	—	—	—
100M fiber port	12	16	24
1000M SFP fiber port	4	4	4
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	AC/DC220V	AC/DC220V	AC/DC220V
Consumption	<35W(MAX)	<35W(MAX)	<35W(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Rack Mount	Rack Mount	Rack Mount
Dimensions(L)*(W)*(H)(mm)	482.6×44×315	482.6×44×315	482.6×44×315
Switching Performance			
Switching bandwidth	12.8Gbps	12.8Gbps	12.8Gbps
MAC table	8K	8K	8K
IGMP Group	512	512	512
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support
BSP	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS/EAPS	Support	Support	Support
MSTP(RSTP/STP)	Support	Support	Support
Layer 3 Software Property			
Layer 3 routing	Support	Support	Support
Multicast routing	Support	Support	Support
VRRP	Support	Support	Support
Management			
SNMPv1/v2/v3	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Support	Support	Support
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
Device management	Support	Support	Support
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MISCOM7214G-2XGF-4GF-8GT	MISCOM7028GX-20GF-8GC	MISCOM7028G-4GF-8GC-16GT
			
Port Number	**14**	**28**	**28**
10/100M RJ45 port	—	—	—
10/100/1000M RJ45 port	8	—	16
100M fiber port	—	—	—
1000M SFP fiber port	4	20	4
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	8	8
Power			
Power input	AC/DC220V,DC12~48V	AC/DC220V	AC/DC220V
Consumption	< 12W(MAX)	< 40W(MAX)	< 27W(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+70℃	-40℃~+70℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Din Rail	Rack Mount	Rack Mount
Dimensions(L)*(W)*(H)(mm)	160×74×122	482.6×44×315	482.6×44×315
Switching Performance			
Switching bandwidth	64Gbps	56Gbps	56Gbps
MAC table	8K	16K	16K
IGMP Group	—	—	—
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support
BSP	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS/EAPS	Support	Support	Support
MSTP(RSTP/STP)	Support	Support	Support
Layer 3 Software Property			
Layer 3 routing	—	—	—
Multicast routing	—	—	—
VRRP	—	—	—
Management			
SNMPv1/v2/v3	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Support	Support	Support
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
Device management	Support	Support	Support
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MISCOM7020G-4GF-16GT	MISCOM7220G-4GF-16GT	MISCOM7212G-4GF-8GT
			
Port Number	**20**	**20**	**12**
10/100M RJ45 port	—	—	—
10/100/1000M RJ45 port	16	16	8
100M fiber port	—	—	—
1000M SFP fiber port	4	4	4
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	AC/DC220V	AC/DC220V,DC24/48V	AC/DC220V,DC12~48V
Consumption	< 15W(MAX)	< 15W(MAX)	< 15W(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Rack Mount	Din Rail	Din Rail
Dimensions(L)*(W)*(H)(mm)	482.6×44×210	156×85×137.7	160×74×122
Switching Performance			
Switching bandwidth	40Gbps	56Gbps	24Gbps
MAC table	16K	16K	8K
IGMP Group	—	—	—
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support
BSP	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS	Support	Support	Support
RSTP/STP	Support	Support	Support
Layer 3 Software Property			
Layer 3 routing	—	—	—
Multicast routing	—	—	—
VRRP	—	—	—
Management			
SNMPv1/v2/v3	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Support	Support	Support
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
Device management	Support	Support	Support
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MISCOM7220-4GF	MISCOM7220-4GF-4F	MISCOM7220-4GF-8F
			
Port Number	**20**	**20**	**20**
10/100M RJ45 port	16	12	8
10/100/1000M RJ45 port	—	—	—
100M fiber port	—	4	8
1000M SFP fiber port	4	4	4
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	AC/DC220V,DC12/24/48V	AC/DC220V,DC12/48V	AC/DC220V,DC12/48V
Consumption	< 14W(MAX)	< 14W(MAX)	16W@24V(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Din Rail	Din Rail	Din Rail
Dimensions(L)*(W)*(H)(mm)	160×74×122	160×74×122	160×74×122
Switching Performance			
Switching bandwidth	12.8Gbps	12.8Gbps	12.8Gbps
MAC table	8K	8K	8K
IGMP Group	—	—	—
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support
BSP	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS	Support	Support	Support
RSTP/STP	Support	Support	Support
Layer 3 Software Property			
Layer 3 routing	—	—	—
Multicast routing	—	—	—
VRRP	—	—	—
Management			
SNMPv1/v2	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Support	Support	Support
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
Device management	Support	Support	Support
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MISCOM7210-2GF	MISCOM7210-2GF-2F	MISCOM7210-2GF-4F	MISCOM7210-2GF-8F
				
Port Number	**10**	**10**	**10**	**10**
10/100M RJ45 port	8	6	4	—
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	—	2	4	8
1000M SFP fiber port	2	2	2	2
1G/10G SFP+ fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V,DC12/24/48V	AC/DC220V,DC12/24/48V	AC/DC220V,DC12/24/48V	AC/DC220V,DC12/24/48V
Consumption	< 10W(MAX)	< 10W(MAX)	< 10W(MAX)	< 10W(MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Din Rail	Din Rail	Din Rail	Din Rail
Dimensions(L)*(W)*(H)(mm)	182×62×128	182×62×128	182×62×128	182×62×128
Switching Performance				
Switching bandwidth	7.6Gbps	7.6Gbps	7.6Gbps	7.6Gbps
MAC table	8K	8K	8K	8K
IGMP Group	—	—	—	—
Basic Function				
QoS/VLAN	Support	Support	Support	Support
Port static trunk/LACP	Support	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support	Support
BSP	Support	Support	Support	Support
Redundancy Protocol				
MW-Ring	Support	Support	Support	Support
ERPS	Support	Support	Support	Support
RSTP/STP	Support	Support	Support	Support
Layer 3 Software Property				
Layer 3 routing	—	—	—	—
Multicast routing	—	—	—	—
VRRP	—	—	—	—
Management				
SNMPv1/v2	Support	Support	Support	Support
LLDP	Support	Support	Support	Support
DHCP	Support	Support	Support	Support
RMON	Support	Support	Support	Support
GVRP	Support	Support	Support	Support
GMRP	Support	Support	Support	Support
Device management	Support	Support	Support	Support
Security				
802.1X	Support	Support	Support	Support
HTTPS/SSL	Support	Support	Support	Support
Port security binding	Support	Support	Support	Support
ACL	Support	Support	Support	Support
RADIUS	Support	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MISCOM7210-2GF-4F-2D	MISCOM7210B-2GF-6T	MISCOM7210BP-2GF	MISCOM7209-3GF
				
Port Number	**10**	**8**	**10**	**9**
10/100M RJ45 port	4	6	8	6
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	4	2(Gigabit)	2(Gigabit)	—
1000M SFP fiber port	2	—	—	3
BY-PASS	—	—	Support	—
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V,DC12/24/48V	AC/DC220V,DC12/24/48V	AC/DC220V,DC12/24/48V	AC/DC220V,DC9~60V
Consumption	10W(@24V)	10W(@24V)	10W(@24V)	＜6W(MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Din Rail	Din Rail	Din Rail	Din Rail
Dimensions(L)*(W)*(H)(mm)	182×62×128.4	182×62×128.4	182×62×128.4	140×54×110
Switching Performance				
Switching bandwidth	7.6Gbps	7.6Gbps	7.6Gbps	5.2Gbps
MAC table	8K	8K	8K	8K
IGMP Group	—	—	—	—
Basic Function				
QoS/VLAN	Support	Support	Support	Support
Port static trunk/LACP	Support	Support	Support	Support
IGMP v1/v2/v3 multicast	—	—	—	—
BSP	Support	Support	Support	Support
Redundancy Protocol				
MW-Ring	Support	Support	Support	Support
ERPS	Support	Support	Support	Support
RSTP/STP	Support	Support	Support	Support
Data Interface				
RS232	—	—	—	—
RS485	Support	—	—	—
CAN	—	—	—	—
Management				
SNMPv1/v2	Support	Support	Support	Support
LLDP	Support	Support	Support	Support
DHCP	Support	Support	Support	Support
RMON	Support	Support	Support	Support
GVRP	—	—	—	—
GMRP	—	—	—	—
Device management	Support	Support	Support	Support
Security				
802.1X	Support	Support	Support	Support
HTTPS/SSL	Support	Support	Support	Support
Port security binding	Support	Support	Support	Support
ACL	Support	Support	Support	Support
RADIUS	Support	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MISCOM7208BP-2GF	MIEN6024	MIEN6024-4F	MIEN6024-8F
				
Port Number	**8**	**24**	**24**	**24**
10/100M RJ45 port	6	24	20	16
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	2(Gigabit)	—	4	8
1000M SFP fiber port	—	—	—	—
BY-PASS	支持	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	DC12~48V	AC/DC220V	AC/DC220V	AC/DC220V
Consumption	6W(@24V)	＜25W(MAX)	＜25W(MAX)	＜25W(MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Din Rail	Rack Mount	Rack Mount	Rack Mount
Dimensions(L)*(W)*(H)(mm)	140×54×110	482.6×44×210	482.6×44×210	482.6×44×210
Switching Performance				
Switching bandwidth	5.2Gbps	8.8Gbps	8.8Gbps	8.8Gbps
MAC table	8K	8K	8K	8K
IGMP Group	—	—	—	—
Basic Function				
QoS/VLAN	Support	Support	Support	Support
Port static trunk/LACP	Support	Support	Support	Support
IGMP v1/v2/v3 multicast	—	—	—	—
BSP	Support	Support	Support	Support
Redundancy Protocol				
MW-Ring	Support	Support	Support	Support
ERPS	Support	Support	Support	Support
RSTP/STP	Support	Support	Support	Support
Data Interface				
RS232	—	—	—	—
RS485	—	—	—	—
CAN	—	—	—	—
Management				
SNMPv1/v2	Support	Support	Support	Support
LLDP	Support	Support	Support	Support
DHCP	Support	Support	Support	Support
RMON	Support	Support	Support	Support
GVRP	—	Support	Support	Support
GMRP	—	Support	Support	Support
Device management	Support	Support	Support	Support
Security				
802.1X	Support	Support	Support	Support
HTTPS/SSL	Support	Support	Support	Support
Port security binding	Support	Support	Support	Support
ACL	Support	Support	Support	Support
RADIUS	Support	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MIEN6024-12F	MIEN6024-16F	MIEN6024-24F
			
Port Number	**24**	**24**	**24**
10/100M RJ45 port	12	8	—
10/100/1000M RJ45 port	—	—	—
100M fiber port	12	16	24
1000M SFP fiber port	—	—	—
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	AC/DC220V	AC/DC220V	AC/DC220V
Consumption	<25W(MAX)	<25W(MAX)	<25W(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Rack Mount	Rack Mount	Rack Mount
Dimensions(L)*(W)*(H)(mm)	482.6×44×315	482.6×44×315	482.6×44×315
Switching Performance			
Switching bandwidth	8.8Gbps	8.8Gbps	8.8Gbps
MAC table	8K	8K	8K
IGMP Group	—	—	—
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	—	—	—
BSP	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS	Support	Support	Support
RSTP/STP	Support	Support	Support
Layer 3 Software Property			
Layer 3 routing	—	—	—
Multicast routing	—	—	—
VRRP	—	—	—
Management			
SNMPv1/v2	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Support	Support	Support
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
Device management	Support	Support	Support
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MIEN6220-4F	MIEN6218-2F	MIEN6216
			
Port Number	**20**	**18**	**16**
10/100M RJ45 port	16	16	16
10/100/1000M RJ45 port	—	—	—
100M fiber port	4	2	—
1000M SFP fiber port	—	—	—
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo ports	—	—	—
Power			
Power input	AC/DC220V,DC12~48V	AC/DC220V,DC12~48V	AC/DC220V,DC12~48V
Consumption	<10W(MAX)	<9W(MAX)	<8W(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Din Rail	Din Rail	Din Rail
Dimensions(L)*(W)*(H)(mm)	160×74×122	156×72×120	156×72×120
Switching Performance			
Switching bandwidth	8.8Gbps	8.8Gbps	8.8Gbps
MAC table	8K	8K	8K
IGMP Group	—	—	—
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	—	—	—
BSP	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS	Support	Support	Support
RSTP/STP	Support	Support	Support
Layer 3 Software Property			
Layer 3 routing	—	—	—
Multicast routing	—	—	—
VRRP	—	—	—
Management			
SNMPv1/v2	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Support	Support	Support
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
Device management	Support	Support	Support
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MISCOM6208	MISCOM6208-2F	MISCOM6208-4F
			
Port Number	**8**	**8**	**8**
10/100M RJ45 port	8	6	4
10/100/1000M RJ45 port	—	—	—
100M fiber port	—	2	4
1000M SFP fiber port	—	—	—
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	AC/DC220V,DC9~60V	AC/DC220V,DC9~60V	AC/DC220V,DC9~60V
Consumption	< 5W@24V(MAX)	< 5W@24V(MAX)	< 5W@24V(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Din Rail	Din Rail	Din Rail
Dimensions(L)*(W)*(H)(mm)	140×54×110	140×54×110	140×54×110
Switching Performance			
Switching bandwidth	2Gbps	2Gbps	2Gbps
MAC table	2K	2K	2K
IGMP Group	—	—	—
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support
BSP	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS	Support	Support	Support
RSTP/STP	Support	Support	Support
Layer 3 Software Property			
Layer 3 routing	—	—	—
Multicast routing	—	—	—
VRRP	—	—	—
Management			
SNMPv1/v2/v3	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Support	Support	Support
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
Device management	Support	Support	Support
Security			
802.1X	—	—	—
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Industrial Ethernet Switch

Layer 2 Managed Industrial Ethernet Switch

Model	MISCOM6208BP	MIEN5205C
		
Port Number	**8**	**5**
10/100M RJ45 port	6	3/4
10/100/1000M RJ45 port	—	—
100M fiber port	2	2/1
1000M SFP fiber port	—	—
BY-PASS	Support	—
Gigabit Combo port	—	—
Power		
Power input	DC12~48V	DC12~48V
Consumption	5W(@24V)	3.7W(@24V)
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter		
Installation	Din Rail	Din Rail
Dimensions(L)*(W)*(H)(mm)	136×54×110	140×54×110
Switching Performance		
Switching bandwidth	2Gbps	1.2Gbps
MAC table	2K	2K
IGMP Group	—	—
Basic Function		
QoS/VLAN	Support	Support
Port static trunk/LACP	Support	Support
IGMP v1/v2/v3 multicast	—	—
BSP	Support	Support
Redundancy Protocol		
MW-Ring	Support	Support
ERPS	Support	Support
RSTP/STP	Support	Support
Data Interface		
RS232	—	Support
RS485	—	Support
CAN	—	—
Management		
SNMPv1/v2	—	—
LLDP	Support	Support
DHCP	—	—
RMON	—	—
GVRP	—	—
GMRP	—	—
Device management	—	—
Security		
802.1X	—	—
HTTPS/SSL	—	—
Port security binding	—	—
ACL	—	—
RADIUS	—	—

Industrial Ethernet Switch

Unmanaged Industrial Ethernet Switch

Model	MIEN3028G-4GC-24GT	MIEN3020G-4GC-16GT	MIGE2212G-4GF-8GT	MIGE2210G-2GF-8GT
				
Port Number	**28**	**20**	**12**	**10**
10/100M RJ45 port	—	—	—	—
10/100/1000M RJ45 port	24	16	8	8
100M fiber port	—	—	—	—
1000M SFP fiber port	—	—	4	2
1G/10G SFP+ fiber port	—	—	—	—
Gigabit Combo port	4	4	—	—
Power				
Power input	AC/DC220V	AC/DC220V	AC/DC220V,DC12~48V	AC/DC220V,DC9~60V
Consumption	＜24W(MAX)	＜24W(MAX)	＜15W(MAX)	<6W@24V(Max)
Working Environment				
Operating temperature	-40℃~+75℃	-40℃~+75℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Rack Mount	Rack Mount	Din Rail	Din Rail
Dimension(L)*(W)*(H)(mm)	482.6×44×210	482.6×44×210	160×74×122	138×54×110
Switching Performance				
Switching bandwidth	56Gbps	56Gbps	24Gbps	20Gbps
MAC table	8K	8K	8K	4K
IGMP Group	—	—	—	—

Model	MIGE2208G	MIGE2206G	MIGE2205G-5GT	MIGE2205G-GF-4GT
				
Port Number	**8**	**6**	**5**	**5**
10/100M RJ45 port	—	—	—	—
10/100/1000M RJ45 port	8	4	5	4
100M fiber port	—	—	—	—
1000M SFP fiber port	—	2	—	1
1G/10G SFP+ fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	DC9-60V	AC/DC220V,DC9~60V	AC/DC220V,DC9~60V	AC/DC220V,DC9~60V
Consumption	＜6W(MAX)	＜4.8W(MAX)	＜3.7W(MAX)	＜3.7W(MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Din Rail	Din Rail	Din Rail	Din Rail
Dimension(L)*(W)*(H)(mm)	140×35×100	140×35×100	118×35×86	118×35×86
Switching Performance				
Switching bandwidth	18Gbps	12Gbps	14Gbps	14Gbps
MAC table	8K	4K	2K	2K
IGMP Group	—	—	—	—

Industrial Ethernet Switch

Unmanaged Industrial Ethernet Switch

Model	MIGE2210-2GF	MIGE2210-2GF-4F	MIGE2210-2GT
			
Port Number	**10**	**10**	**10**
10/100M RJ45 port	8	4	8
10/100/1000M RJ45 port	—	—	2
100M fiber port	—	4	—
1000M SFP fiber port	2	2	—
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	AC/DC220V,DC12~48V	AC/DC220V,DC12~48V	AC/DC220V , DC12~48V
Consumption	＜3.8W(MAX)	＜4.5W(MAX)	＜6.4W(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Din Rail	Din Rail	Din Rail
Dimension(L)*(W)*(H)(mm)	138×54×110	138×54×110	138×54×110
Switching Performance			
Switching bandwidth	7.6Gbps	7.6Gbps	7.6Gbps
MAC table	8K	8K	8K
IGMP Group	—	—	—

Model	MIEN2026-2F	MIEN2024	MIEN2220-4F
			
Port Number	**26**	**24**	**20**
10/100M RJ45 port	24	24	16
10/100/1000M RJ45 port	—	—	—
100M fiber port	2	—	4
1000M SFP fiber port	—	—	—
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	AC/DC220V	AC/DC220V	AC/DC220V,DC9~60V
Consumption	＜15W(MAX)	＜15W(MAX)	<10W@24V(Max)
Working Environment			
Operating temperature	-40℃~+70℃	-40℃~+70℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Rack Mount	Rack Mount	Din Rail
Dimension(L)*(W)*(H)(mm)	482.6×44×210	482.6×44×210	160×74×122
Switching Performance			
Switching bandwidth	8.8Gbps	8.8Gbps	8.8Gbps
MAC table	4K	4K	8K
IGMP Group	—	—	—

Industrial Ethernet Switch

Unmanaged Industrial Ethernet Switch

Model	MIEN2018-2F	MIEN2218-2F	MIEN2016	MIEN2216
				
Port Number	**18**	**18**	**16**	**16**
10/100M RJ45 port	16	16	16	16
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	2	2	—	—
1000M SFP fiber port	—	—	—	—
1G/10G SFP+ fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V	AC/DC220V,DC9~60V	AC/DC220V	AC/DC220V,DC9~60V
Consumption	＜25W(MAX)	<7W@24V(Max)	＜25W(MAX)	<3W@24V(Max)
Working Environment				
Operating temperature	-40℃~+70℃	-40℃~+85℃	-40℃~+70℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Rack Mount	Din Rail	Rack Mount	Din Rail
Dimension(L)*(W)*(H)(mm)	482.6×44×210	160×74×122	482.6×44×210	160×74×122
Switching Performance				
Switching bandwidth	8.8Gbps	8.8Gbps	8.8Gbps	8.8Gbps
MAC table	4K	8K	4K	8K
IGMP Group	—	—	—	—

Model	MIEN2210-8F	MIEN2210-2F	MIEN2208	MIEN2208-F
				
Port Number	**10**	**10**	**8**	**8**
10/100M RJ45 port	2	8	8	7
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	8	2	—	1
1000M SFP fiber port	—	—	—	—
1G/10G SFP+ fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V,DC12~48V	AC/DC220V,DC12~48V	AC/DC220V,DC9~60V	AC/DC220V,DC9~60V
Consumption	＜5.3W（MAX)	＜5W（MAX)	＜1.8W（MAX)	＜5W（MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Din Rail	Din Rail	Din Rail	Din Rail
Dimension(L)*(W)*(H)(mm)	144×54×110	144×54×110	140×35×100	140×54×110
Switching Performance				
Switching bandwidth	2Gbps	2Gbps	1.6Gbps	1.6Gbps
MAC table	2K	2K	2K	2K
IGMP Group	—	—	—	—

Industrial Ethernet Switch

Unmanaged Industrial Ethernet Switch

Model	MIEN2208-2F	MIEN2208-4F	MIEN2208GE	MIEN2208BP
				
Port Number	**8**	**8**	**8**	**8**
10/100M RJ45 port	6	4	—	6
10/100/1000M RJ45 port	—	—	8	—
100M fiber port	2	4	—	2
1000M SFP fiber port	—	—	—	—
1G/10G SFP+ fiber port	—	—	—	Support
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V,DC9~60V	AC/DC220V,DC12~48V	DC12~48V	DC12~48V
Consumption	＜5W（MAX)	＜5W（MAX)	＜1.8W（MAX)	＜5W（MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Din Rail	Din Rail	Din Rail	Din Rail
Dimension(L)*(W)*(H)(mm)	140×54×110	140×54×110	95×43×90.5	138×54×110
Switching Performance				
Switching bandwidth	1.6Gbps	1.6Gbps	1.6Gbps	2Gbps
MAC table	2K	2K	2K	2K
IGMP Group	—	—	—	—

Model	MIEN2206-2F	MIEN2205	MIEN2205-F	MIEN2204-2F
				
Port Number	**6**	**5**	**5**	**4**
10/100M RJ45 port	4	5	4	2
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	2	—	1	2
1000M SFP fiber port	—	—	—	—
1G/10G SFP+ fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V,DC9~60V	AC/DC220V,DC12~48V	AC/DC220V,DC12~48V	AC/DC220V,DC12~48V
Consumption	＜2.5W（MAX)	＜1.5W（MAX)	＜1.5W（MAX)	＜2.3W（MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Din Rail	Din Rail	Din Rail	Din Rail
Dimension(L)*(W)*(H)(mm)	140×35×100	118×35×86	118×35×86	118×35×86
Switching Performance				
Switching bandwidth	1.6Gbps	1Gbps	1Gbps	1Gbps
MAC table	2K	2K	2K	2K
IGMP Group	—	—	—	—

Industrial Ethernet Switch

Industrial POE Switch

Model	MISCOM7212GP-4GF-8GTPOE	MIEN3210GP-2GF-8GTPOE	VTS3204GP-2GF-4GTPOE
			
Port Number	**12**	**10**	**6**
10/100M RJ45 port	—	—	—
10/100/1000M RJ45 port	8	8	4
100M fiber port	—	—	—
1000M SFP fiber port	4	2	2
1G/10G SFP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	DC48V	DC48~52V	DC48~52V
Consumption	≤240W	≤240W	≤65W
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+75℃	-40℃~+75℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Din Rail	Din Rail	Din Rail
Dimension(L)*(W)*(H)(mm)	108×49×138	140×54×110	147×54×165
Switching Performance			
Switching bandwidth	56Gbps	20Gbps	12Gbps
MAC table	8K	4K	1K
IGMP Group	—	—	—
Basic Function			
QoS/VLAN	Support	—	—
Port static trunk/LACP	Support	—	—
IGMP v1/v2/v3 multicast	Support	—	—
BSP	Support	—	—
Redundancy Protocol			
MW-Ring	—	—	—
ERPS/EAPS	Support	—	—
MSTP(RSTP/STP)	Support	—	—
POE Feature			
Support protocol	IEEE802.3af/at	IEEE802.3af/at	IEEE802.3af/at
Single port power	Single port PoE≤30W（54V）	Single port PoE≤30W（54V）	Single port PoE≤30W（54V）
Management Function			
SNMPv1/v2/v3	Support	—	—
LLDP	Support	—	—
DHCP	Server/Client	—	—
RMON	Support	—	—
GVRP	Support	—	—
GMRP	Support	—	—
NST/SNTP	SNTP	—	—
Security			
802.1X	Support	—	—
HTTPS/SSL	Support	—	—
Port security binding	Support	—	—
ACL	Support	—	—
RADIUS	Support	—	—

Industrial Ethernet Switch

Industrial Media Converter

Model	MIGE1203G-GF-2GT	MIGE1203G-DB9-GF-2GT	MIEN1203	MT3110-GF
				
Port Number	**3**	**3**	**3**	**2**
10/100M RJ45 port	—	—	2	—
10/100/1000M RJ45 port	2	1	—	1
100M fiber port	—	—	1	1（Gigabit）
1000M SFP fiber port	1	1	—	—
10/100/1000M DB9 copper port	—	1	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V,DC9~60V	AC/DC220V,DC12~48V	AC/DC220V,DC12~48V	AC/DC220V,DC5V
Consumption	<1.7W@12V(Max)	<3.7W（MAX）	<1.5W（MAX）	<3W（MAX）
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	0℃~+70℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Din Rail	Din Rail	Din Rail	Desktop
Dimension(L)*(W)*(H)(mm)	118×35×86	118×35×86	118×35×86	140×110×30
Switching Performance				
Switching latency	<5us	<5us	<5us	<5us
Switching bandwidth	1Gbps	1Gbps	1Gbps	—
MAC table	2k	2k	2k	2k

Model	MT8110	MTR-16-2U	MT3110-GF-K	MT8110-F-K
				
Port Number	**2**	**—**	**2**	**2**
10/100M RJ45 port	1	—	—	1
10/100/1000M RJ45 port	—	—	1	—
100M fiber port	1	—	—	1
1000M SFP fiber port	—	—	1	—
1G/10G SFP+ fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V,DC5V	100~240VAC	—	—
Consumption	<2.5W（MAX）	—	<2W（MAX）	<2W（MAX）
Working Environment				
Operating temperature	0℃~+70℃	0℃~+50℃	0℃~+50℃	0℃~+50℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Desktop	Rack-mount(2U)	Plug-in	Plug-in
Dimension(L)*(W)*(H)(mm)	95×26×70 140×30×110	483×282.6×88.5	Using with supporting frame	Using with supporting frame
Switching Performance				
Switching latency	<5us	—	<5us	<5us
Switching bandwidth	—	—		
MAC table	1K	—	1K	1k

Marketing Oriented Switch

- Embedded Ethernet Switch
- EN50155 Ethernet Switch
- IEC61850 Ethernet Switch

Marketing Oriented Switch

Embedded Ethernet Switch

Model	MES8112GX-4XGF-8GC	MES7110G-2XGF-4GF-4GT	MES7106G-2XGF-4GT
			
Port Number	**12**	**10**	**6**
10/100M RJ45 port	—	—	—
10/100/1000M RJ45 port	—	4	4
100M fiber port	—	—	—
1000M SFP fiber port	—	4	—
10G SFPP+ fiber port	4	2	2
Gigabit Combo port	8	—	—
Power			
Power input	DC12~24V	DC9V~36V	DC9V~36V
Consumption	20W@12VDC	<7.5W(MAX)	<6.5W(MAX)
Working Environment			
Operating temperature	-40℃~+70℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Embedded	Embedded	Embedded
Dimension(L)*(W)*(H)(mm)	185×135×63	115×95×38	115×95×25
Switching Performance			
Switching bandwidth	128Gbps	56Gbps	48Gbps
MAC table	16K	16K	16K
IGMP Group	512	—	—
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support
Broadcast storm suppression	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS/EAPS	Support	Support	Support
MSTP(RSTP/STP)	Support	Support	Support
Layer3 Software Property			
Layer 3 routing	Static,RIP,OSPF	—	—
Multicast routing	PIM-SM/PIM-DM	—	—
VRRP	Support	—	—
Management			
SNMPv1/v2/v3	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Server	—	—
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
NST/SNTP	SNTP	Support	Support
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	—	—	—

Marketing Oriented Switch

Embedded Ethernet Switch

Model	MES8120G-4GF-16GT	MES7112G-4GF-8GT	MES3106G-3GF-3GT	MES3106G-2GF-4GT
				
Port Number	**20**	**12**	**6**	**6**
10/100M RJ45 port	—	—	—	—
10/100/1000M RJ45 port	16	8	3	4
100M fiber port	—	—	—	—
1000M SFP fiber port	4	4	3	2
10G SFPP+ fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	DC24~48V	DC12~48V	DC5~24V	DC9~24V
Consumption	15W	<12W(MAX)	3.2W @24VDC(MAX)	<5.1W (MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Embedded	Embedded	Embedded	Embedded
Dimension(L)*(W)*(H)(mm)	184×164×28.6	172×146×27	120×90×18	115×95×17
Switching Performance				
Switching bandwidth	40Gbps	24Gbps	14Gbps	12Gbps
MAC table	16K	8K	2K	8K
IGMP Group	512	—	—	—
Basic Function				
QoS/VLAN	Support	Support	—	—
Port static trunk/LACP	Support	Support	—	—
IGMP v1/v2/v3 multicast	Support	Support	—	—
Broadcast storm suppression	Support	Support	—	—
Redundancy Protocol				
MW-Ring	Support	Support	—	—
ERPS/EAPS	Support	Support	—	—
MSTP(RSTP/STP)	Support	Support	—	—
Layer3 Software Property				
Layer 3 routing	Static,RIP,OSPF	—	—	—
Multicast routing	PIM-SM/PIM-DM	—	—	—
VRRP	Support	—	—	—
Management				
SNMPv1/v2/v3	Support	Support	—	—
LLDP	Support	Support	—	—
DHCP	Server	—	—	—
RMON	Support	Support	—	—
GVRP	Support	Support	—	—
GMRP	Support	Support	—	—
NST/SNTP	SNTP	NTP/SNTP	—	—
Security				
802.1X	Support	Support	—	—
HTTPS/SSL	Support	Support	—	—
Port security binding	Support	Support	—	—
ACL	Support	Support	—	—
RADIUS	—	—	—	—

Marketing Oriented Switch

Embedded Ethernet Switch

Model	MISCOM7110S-2GF-3D-2C	MISCOM7110-3GF-2D-2C
		
Port Number	**10**	**10**
10/100M RJ45 port	4/5/6/7/8	1/3/4/5/6/7
10/100/1000M RJ45 port	—	—
100M fiber port	1/2/3/4	1/2/3/4/6/7
1000M SFP fiber port	2	3
Serial port	3	2
CAN port	2	2
Power		
Power input	DC12/24/48V	DC12/24/48V
Consumption	<7W(MAX)	<9W(MAX)
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter		
Installation	Embedded	Embedded
Dimension(L)*(W)*(H)(mm)	180×135×17.5	180×135×17.5
Switching Performance		
Switching bandwidth	5.6Gbps	7.6Gbps
MAC table	8K	8K
IGMP Group	—	—
Basic Function		
QoS/VLAN	Support	Support
Port static trunk/LACP	Support	Support
IGMP v1/v2/v3 multicast	Support	Support
Broadcast storm suppression	Support	Support
Redundancy Protocol		
MW-Ring	Support	Support
ERPS/EAPS	Support	Support
MSTP(RSTP/STP)	Support	Support
Data Interface		
RS232	Support	Support
RS485	Support	Support
CAN	Support	Support
Management		
SNMPv1/v2	Support	Support
LLDP	Support	Support
DHCP	Support	Support
RMON	Support	Support
GVRP	Support	Support
GMRP	Support	Support
NST/SNTP	Support	Support
Security		
802.1X	Support	Support
HTTPS/SSL	Support	Support
Port security binding	Support	Support
ACL	Support	Support
RADIUS	—	—

Marketing Oriented Switch

Embedded Ethernet Switch

Model	MIEN5108-4D-2C	MIEN5105-2D-2C
		
Port Number	**8**	**5**
10/100M RJ45 port	4/6/8	3/5
10/100/1000M RJ45 port	—	—
100M fiber port	2/4	2
1000M SFP fiber port	—	—
Serial port	4	2
CAN port	2	2
Power		
Power input	DC9-36V	DC12V~48V
Consumption	<7W(MAX)	<5W(MAX)
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter		
Installation	Embedded	Embedded
Dimension(L)*(W)*(H)(mm)	180×130×24.2 180×147×31	160×135
Switching Performance		
Switching bandwidth	2Gbps	1Gbps
MAC table	2K	2K
IGMP Group	—	—
Basic Function		
QoS/VLAN	Support	Support
Port static trunk/LACP	Support	Support
IGMP v1/v2/v3 multicast	Support	Support
Broadcast storm suppression	Support	Support
Redundancy Protocol		
MW-Ring	Support	Support
ERPS/EAPS	Support	Support
MSTP(RSTP/STP)	Support	Support
Data Interface		
RS232	Support	Support
RS485	Support	Support
CAN	Support	Support
Management		
SNMPv1/v2	—	—
LLDP	Support	Support
DHCP	—	—
RMON	—	—
GVRP	—	—
GMRP	—	—
NST/SNTP	—	—
Security		
802.1X	—	—
HTTPS/SSL	—	—
Port security binding	—	—
ACL	—	—
RADIUS	—	—

Marketing Oriented Switch

Embedded Ethernet Switch

Model	MIEN5105BP-2D	MIEN5105C-2D	MIEN5105A	MIEN5104-2F
				
Port Number	**5**	**5**	**5**	**4**
10/100M RJ45 port	2	2/3	3	2
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	3	3/2	2	2
BY-PASS	Support	—	—	—
Serial port	2	2	—	—
CAN port	2	2	—	—
Power				
Power input	DC5V~32V	DC5V~32V	DC5V~32V	DC5V~32V
Consumption	<3.67W(MAX)	<3.67W(MAX)	<2.376W(MAX)	<2.39W(MAX)
Working Environment				
Operating temperature	-20℃~+70℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Embedded	Embedded	Embedded	Embedded
Dimension(L)*(W)*(H)(mm)	39×116.5×107.5	17×116.5×107.5	106×66×17	95×72×16
Switching Performance				
Switching bandwidth	1.2Gbps	1.2Gbps	1.2Gbps	1.2Gbps
MAC table	2K	2K	2K	2K
IGMP Group	—	—	—	—
Basic Function				
QoS/VLAN	Support	Support	Support	Support
Port static trunk/LACP	Support	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support	Support
Broadcast storm suppression	Support	Support	Support	Support
Redundancy Protocol				
MW-Ring	Support	Support	Support	Support
ERPS	—	—	—	—
RSTP/STP	Support	Support	Support	Support
Layer3 Software Property				
Routing function	—	—	—	—
Multicast routing	—	—	—	—
VRRP	—	—	—	—
Management				
SNMPv1/v2	—	—	—	—
LLDP	Support	Support	Support	Support
DHCP	—	—	—	—
RMON	—	—	—	—
GVRP	—	—	—	—
GMRP	—	—	—	—
NST/SNTP	—	—	—	—
Security				
802.1X	—	—	—	—
HTTPS/SSL	—	—	—	—
Port security binding	—	—	—	—
ACL	—	—	—	—
RADIUS	—	—	—	—

Marketing Oriented Switch

Embedded Ethernet Switch

Model	MES2105A	MES2105B	MES105M
			
Port Number	**5**	**5**	**5**
10/100M RJ45 port	3	3	3/2
10/100/1000M RJ45 port	—	—	—
100M fiber port	2	2	2/3
BY-PASS	—	—	—
Serial port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	DC5V-32V	DC5V-32V	DC5-32V
Consumption	<1.95W(MAX)	<1.97W(MAX)	<4W(MAX)
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Embedded	Embedded	Embedded
Dimension(L)*(W)*(H)(mm)	106×66×13.6	116×78×16	120×70×13.6
Switching Performance			
Switching bandwidth	1Gbps	1Gbps	1.2Gbps
MAC table	2K	2K	2K
IGMP Group	—	—	—

Marketing Oriented Switch

Embedded Ethernet Switch

Model	MES2105	MES2103
		
Port Number	**5**	**3**
10/100M RJ45 port	4/3/2	2
10/100/1000M RJ45 port	—	—
100M fiber port	1/2/3	1
1000M SFP fiber port	—	—
BY-PASS	—	—
Gigabit Combo port	—	—
Power		
Power input	DC9V~24V	DC9V~24V
Consumption	<2.4W(MAX)	<1.29W(MAX)
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter		
Installation	Embedded	Embedded
Dimension(L)*(W)*(H)(mm)	76×66×33.2	76×66×13.6
Switching Performance		
Switching bandwidth	1Gbps	1Gbps
MAC table	2K	2K
IGMP Group	—	—

Marketing Oriented Switch

Embedded Ethernet Switch

Model	Mport1204A	Mport1204A-2F	Mport1204A-F	Mport1101A
				
Port Number	**4**	**4**	**4**	**1**
10/100M RJ45 port	4	2	2	1
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	—	2	1	—
1000M SFP fiber port	—	—	—	—
1G/10G SFP+fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	DC12~32V	DC12~32V	DC12~32V	DC12V
Consumption	7.2W(MAX)	7.2W(MAX)	5.9W(MAX)	2.7W(MAX)
Working Environment				
Operating temperature	-10℃~+70℃	-10℃~+70℃	-10℃~+70℃	-10℃~+70℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Embedded	Embedded	Embedded	Embedded
Dimension(L)*(W)*(H)(mm)	155×125×18	155×125×18	76×90×35.7	76×76×15
Switching Performance				
Switching bandwidth	—	—	—	—
MAC table	—	—	—	—
IGMP Group	—	—	—	—

Marketing Oriented Switch

Rail Transit Switch

Model	Admas8012G-M12	Admas8212G-M12	Admas7012G-M12	Admas7212G-M12
				
Port Number	**12**	**12**	**12**	**12**
10/100M M12 D-code	—	—	—	—
10/100/1000M M12 X-code	12	12	12	12
10/100M POE	—	—	—	—
100/1000M POE	—	—	—	—
10/100/1000M BY-PASS port	4	—	4	—
Power				
Power input	DC24V/48V/110V/220V	DC24V/48V/110V	DC24V/48V/110V/220V	DC24V/48V/110V
Consumption	<15W(MAX)	<15W(MAX)	<15W(MAX)	<15W(MAX)
Working Environment				
Operating temperature	-40℃~+70℃	-40℃~+70℃	-40℃~+70℃	-40℃~+70℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Rack Mount	Wall-mounting	Rack Mount	Wall-mounting
Dimension(L)*(W)*(H)(mm)	482.6×44×210	180×170×50.5	482.6×44×210	180×170×50.5
Switching Performance				
Switching bandwidth	24Gbps	24Gbps	24Gbps	24Gbps
MAC table	16K	16K	16K	16K
IGMP Group	512	512	—	—
Basic Function				
QoS/VLAN	Support	Support	Support	Support
Port static trunk/LACP	Support	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support	Support
Broadcast storm suppression	Support	Support	Support	Support
Redundancy Protocol				
MW-Ring	Support	Support	Support	Support
ERPS/EAPS	Support	Support	Support	Support
MSTP(RSTP/STP)	Support	Support	Support	Support
Layer3 Software Property				
Routing function	Static,RIP,OSPF	Static,RIP,OSPF	—	—
Multicast routing	PIM-SM/PIM-DM	PIM-SM/PIM-DM	—	—
VRRP	Support	Support	Support	Support
Management				
SNMPv1/v2/v3	Support	Support	Support	Support
LLDP	Support	Support	Support	Support
DHCP	Server	Server	Server	Server
RMON	Support	Support	Support	Support
GVRP	Support	Support	Support	Support
GMRP	Support	Support	Support	Support
NST/SNTP	SNTP	SNTP	SNTP	SNTP
Security				
802.1X	Support	Support	Support	Support
HTTPS/SSL	Support	Support	Support	Support
Port security binding	Support	Support	Support	Support
ACL	Support	Support	Support	Support
RADIUS	Support	Support	Support	Support

Marketing Oriented Switch

Rail Transit Switch

Model	Admas8116BP	Admas6116BP	Admas2209-M12
			
Port Number	**16**	**16**	**9**
10/100M M12 D-code	16	16	9
10/100/1000M M12 X-code	—	—	—
10/100M POE	—	—	—
100/1000M POE	—	—	—
10/100/1000M BY-PASS port	4	4	—
Power			
Power input	DC24V	DC24V	9~36VDC
Consumption	<10W(MAX)	<8W(MAX)	<5W(MAX)
Working Environment			
Operating temperature	-40℃~+70℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Plug-in installation	Plug-in installation	Desktop, wall-mounted
Dimension(L)*(W)*(H)(mm)	157×104×116.5	157×104×116.5	195×50.5×104
Switching Performance			
Switching bandwidth	24Gbps	24Gbps	1.8Gbps
MAC table	16K	8K	2K
IGMP Group	512	—	—
Basic Function			
QoS/VLAN	Support	Support	—
Port static trunk/LACP	Support	Support	—
IGMP v1/v2/v3 multicast	Support	Support	—
Broadcast storm suppression	Support	Support	—
Redundancy Protocol			
MW-Ring	Support	Support	—
ERPS/EAPS	Support	Support	—
MSTP(RSTP/STP)	Support	Support	—
Layer3 Software Property			
Routing function	Static,RIP,OSPF	—	—
Multicast routing	PIM-SM/PIM-DM	—	—
VRRP	Support	—	—
Management			
SNMPv1/v2/v3	Support	Support	—
LLDP	Support	Support	—
DHCP	Server	Server	—
RMON	Support	Support	—
GVRP	Support	Support	—
GMRP	Support	Support	—
NST/SNTP	SNTP	SNTP	—
Security			
802.1X	Support	Support	—
HTTPS/SSL	Support	Support	—
Port security binding	Support	Support	—
ACL	Support	Support	—
RADIUS	Support	Support	—

Marketing Oriented Switch

IEC61850 Industrial Ethernet Switch

Model	MISCOM7028-4GF	MISCOM7028-4GF-4F	MISCOM7028-4GF-8F	MISCOM7028-4GF-12F
				
Port Number	**28**	**28**	**28**	**28**
10/100M RJ45 port	24	20	16	12
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	—	4	8	12
1000M SFP fiber port	4	4	4	4
1/10G SFPP+ fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V	AC/DC220V	AC/DC220V	AC/DC220V
Consumption	＜40W（MAX）	＜40W（MAX）	＜40W（MAX）	＜40W（MAX）
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Rack Mount	Rack Mount	Rack Mount	Rack Mount
Dimension(L)*(W)*(H)(mm)	482.6×44×315	482.6×44×315	482.6×44×315	482.6×44×315
Switching Performance				
Switching bandwidth	12.8Gbps	12.8Gbps	12.8Gbps	12.8Gbps
MAC table	8K	8K	8K	8K
IGMP Group	—	—	—	—
Basic Function				
QoS/VLAN	Support	Support	Support	Support
Port static trunk/LACP	Support	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support	Support
Broadcast storm suppression	Support	Support	Support	Support
Redundancy Protocol				
MW-Ring	Support	Support	Support	Support
ERPS	Support	Support	Support	Support
RSTP/STP	Support	Support	Support	Support
Layer3 Software Property				
Layer 3 routing	—	—	—	—
Multicast routing	—	—	—	—
VRRP	—	—	—	—
Management				
SNMPv1/v2/v3	Support	Support	Support	Support
LLDP	Support	Support	Support	Support
DHCP	Support	Support	Support	Support
RMON	Support	Support	Support	Support
GVRP	Support	Support	Support	Support
GMRP	Support	Support	Support	Support
Device management	Support	Support	Support	Support
Security				
802.1X	Support	Support	Support	Support
HTTPS/SSL	Support	Support	Support	Support
Port security binding	Support	Support	Support	Support
ACL	Support	Support	Support	Support
RADIUS	Support	Support	Support	Support

Marketing Oriented Switch

IEC61850 Industrial Ethernet Switch

Model	MISCOM7028-4GF-16F	MISCOM7028-4GF-24F	MISCOM6026-F	MISCOM6026-2F
				
Port Number	**28**	**28**	**25**	**26**
10/100M RJ45 port	8	—	24	24
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	16	24	1	2
1000M SFP fiber port	4	4	—	—
1/10G SFPP+ fiber port	—	—	—	—
Gigabit Combo port	—	—	—	—
Power				
Power input	AC/DC220V	AC/DC220V	AC/DC220V	AC/DC220V
Consumption	＜40W(MAX)	＜40W(MAX)	＜30W(MAX)	＜30W(MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Rack Mount	Rack Mount	Rack Mount	Rack Mount
Dimension(L)*(W)*(H)(mm)	482.6×44×315	482.6×44×315	482.6×44×210	482.6×44×210
Switching Performance				
Switching bandwidth	12.8Gbps	12.8Gbps	8.8Gbps	8.8Gbps
MAC table	8K	8K	8K	8K
IGMP Group	—	—	—	—
Basic Function				
QoS/VLAN	Support	Support	Support	Support
Port static trunk/LACP	Support	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support	Support
Broadcast storm suppression	Support	Support	Support	Support
Redundancy Protocol				
MW-Ring	Support	Support	Support	Support
ERPS	Support	Support	Support	Support
RSTP/STP	Support	Support	Support	Support
Layer3 Software Property				
Layer 3 routing	—	—	—	—
Multicast routing	—	—	—	—
VRRP	—	—	—	—
Management				
SNMPv1/v2/v3	Support	Support	Support	Support
LLDP	Support	Support	Support	Support
DHCP	Support	Support	Support	Support
RMON	Support	Support	Support	Support
GVRP	Support	Support	Support	Support
GMRP	Support	Support	Support	Support
Device management	Support	Support	Support	Support
Security				
802.1X	Support	Support	Support	Support
HTTPS/SSL	Support	Support	Support	Support
Port security binding	Support	Support	Support	Support
ACL	Support	Support	Support	Support
RADIUS	Support	Support	Support	Support

EMBEDDED MODULE

- Industrial Switch Module
- Embedded Industrial Controller Module

Embedded Module

Industrial Switch Module

Model	ISM8120G-4GF-16GT	ISM7112G-4GF-8GT	ISM7128-4GF
			
Port Number	**20**	**12**	**28**
10/100M RJ45 port	—	—	24
10/100/1000M RJ45 port	16	8	—
100M fiber port	—	—	—
1000M SFP fiber port	4	4	4
1/10G SFPP+ fiber port	—	—	—
Gigabit Combo port	—	—	—
Power			
Power input	DC12V	DC3.3V	DC3.3V
Consumption	＜12W（MAX）	＜10W（MAX）	＜10W（MAX）
Working Environment			
Operating temperature	-40℃~+70℃	-40℃~+70℃	-40℃~+85℃
Ambient humidity	5%~95%(no condensation)	5%~95%(no condensation)	5%~95%(no condensation)
Physical Parameter			
Installation	Positioning hole	Positioning hole	Positioning hole
Dimension(L)*(W)*(H)(mm)	90×72×23	90×72×20	90×72×23
Switching Performance			
Switching bandwidth	40Gbps	24Gbps	12.8Gbps
MAC table	16K	8K	8K
IGMP Group	512	—	—
Basic Function			
QoS/VLAN	Support	Support	Support
Port static trunk/LACP	Support	Support	Support
IGMP v1/v2/v3 multicast	Support	Support	Support
Broadcast storm suppression	Support	Support	Support
Redundancy Protocol			
MW-Ring	Support	Support	Support
ERPS/EAPS	Support	Support	Support
MSTP(RSTP/STP)	Support	Support	Support
Layer 3 Software Property			
Routing function	Static,RIP,OSPF	—	—
Multicast routing	PIM-SM/PIM-DM	—	—
VRRP	Support	—	—
Management			
SNMPv1/v2/v3	Support	Support	Support
LLDP	Support	Support	Support
DHCP	Server	Server	Server
RMON	Support	Support	Support
GVRP	Support	Support	Support
GMRP	Support	Support	Support
NST/SNTP	SNTP	SNTP	SNTP
Security			
802.1X	Support	Support	Support
HTTPS/SSL	Support	Support	Support
Port security binding	Support	Support	Support
ACL	Support	Support	Support
RADIUS	Support	Support	Support

Embedded Module

Industrial Switch Module

Model	ISM7100S-2GF-3D-2C	ISM7100-3GF-2D-2C
		
Port Number	**10**	**10**
10/100M RJ45 port	8(SFP port or Copper port)	7(SFP port or Copper port)
10/100/1000M RJ45 port	—	—
100M fiber port	—	—
1000M SFP fiber port	2(SFP port or Copper port)	3(SFP port or Copper port)
Serial port	3	2
CAN port	2	2
Power		
Power input	DC3.3V	DC3.3V
Consumption	＜2.7W（MAX）	＜3W（MAX）
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(no condensation)	5%~95%(no condensation)
Physical Parameter		
Installation	Positioning hole	Positioning hole
Dimension(L)*(W)*(H)(mm)	70×50×11.6	70×50×11.6
Switching Performance		
Switching bandwidth	5.6Gbps	7.6Gbps
MAC table	8K	8K
IGMP Groups	—	—
Basic Function		
QoS/VLAN	Support	Support
Port static trunk/LACP	Support	Support
IGMP Snooping	Support	Support
Broadcast storm suppression	Support	Support
Redundancy Protocol		
MW-Ring	Support	Support
ERPS/EAPS	Support	Support
MSTP(RSTP/STP)	Support	Support
Data Interface		
RS232	Support	Support
RS485	Support	Support
CAN	Support	Support
Management		
SNMPv1/v2c	Support	Support
LLDP	Support	Support
DHCP	—	—
RMON	Support	Support
Alarm information	Support	Support
GMRP multicast management	Support	Support
NST/SNTP	SNTP	SNTP
Security		
802.1X	Support	Support
HTTPS/SSL	Support	Support
Port security binding	Support	Support
ACL	Support	Support
RADIUS	Support	Support

Embedded Module

Industrial Switch Module

Model	ISM518-4D-2C	ISM5100-2D-2C	ISM515-2D-2C	ISM505-2D
				
Port Number	**8**	**8**	**5**	**5**
10/100M RJ45 port	8(SFP port or Copper port)	8(SFP port or Copper port)	5(SFP port or Copper port)	5(SFP port or Copper port)
10/100/1000M RJ45 port	—	—	—	—
100M fiber port	—	—	—	—
1000M SFP fiber port	—	—	—	—
Serial port	4	3	2	2
CAN port	2	2	2	—
Power				
Power input	DC3.3V±3%	DC3.3V±3%	DC3.3V±3%	DC3.3V±3%
Consumption	2.8W@3.3VDC (MAX)	<2W (MAX)	1W (MAX)	1W (MAX)
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(no condensation)	5%~95%(no condensation)	5%~95%(no condensation)	5%~95%(no condensation)
Physical Parameter				
Installation	Positioning hole	Positioning hole	Positioning hole	Positioning hole
Dimension(L)*(W)*(H)(mm)	72×54×9.9	70×50×11.6	55×40×9.9	55×40×9.9
Switching Performance				
Switching bandwidth	2.0Gbps	1.6Gbps	1.0Gbps	1.0Gbps
MAC table	2K	2K	2K	2K
IGMP Groups	—	—	—	—
Basic Function				
QoS/VLAN	Support	Support	Support	Support
Port static trun/LACP	—	—	—	—
IGMP Snooping	Support	Support	Support	Support
Broadcast Storm Suppression	Support	Support	Support	Support
Redundancy Protocol				
MW-Ring	Support	Support	Support	Support
ERPS	—	—	—	—
RSTP/STP	Support	Support	Support	Support
Data Interface				
RS232	Support	Support	Support	Support
RS485	Support	Support	Support	Support
CAN	Support	Support	Support	Support
Management				
SNMPv1/v2c	—	—	—	—
LLDP	—	—	—	—
DHCP	—	—	—	—
RMON	—	—	—	—
Alarm information	Support	Support	Support	Support
GMRP	—	—	—	—
NST/SNTP	—	—	—	—
Security				
802.1X	—	—	—	—
HTTPS/SSL	—	—	—	—
Port security binding	—	—	—	—
ACL	—	—	—	—
RADIUS	—	—	—	—

Embedded Module

Embedded Industrial Controller Module

Model	Medip-X500	Medip-X300
		
Ethernet Interface	**2**	**2**
UART port	10	16
CAN port	—	2
SPI port	4	—
PWM port	3	—
I²C port	5	—
USB port	1	OTG*2
GPMC port	1	—
MMC/SD/SDIO port	4	—
System		
CPU	750MHz(DSP)+1.5Ghz(ARM) TI AM5728	1GHz main frequency, TI Cortex-A8 core
Memory	1G/2GByte DDR3	512M DDR3
Flash	32MByte QSPI Flash	32/64MB
Operating system	Linux-4.4.12	Linux-3.12.10
Power		
Power input	DC5V	DC3.3V
Current	—	—
Consumption	<4W	<3W
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(no condensation)	5%~95%(no condensation)
Physical Parameter		
Installation	Positioning hole	Positioning hole
Dimension(L)*(W)*(H)(mm)	86.5×60.5×9.5	72×54×9.5
Function		
Hardware watchdog	Support	Support
Hardware encryption	Support	Support
Extended encryption chip	Support	Support
Storage expansion	Support	Support
Software Specification		
File system	JFFS2, CRAMFS, NFS, EXT3 and so on	JFFS2, CRAMFS, NFS, EXT3 and so on
Protocol stack	TCP/IP, EtherCAT, EtherNet/IP, PROFIBUS, etc...	TCP/IP, TFTP, FTP, SNMP, NTP, SSH, NFC...
GPRS transmission	Support	Support
Serial bus	Support	Support
CAN bus	Support	Support
Di function	Support	Support
Do function	Support	Support
Ai function	Support	Support
RTC function	Support	Support
Syslog function	Support	Support
Host management	Support	Support
web management	Support	Support
Contract function	MODBUS-RTU, MODBUS-TCP, IEC60870-101/103/104, DLT645, 61850	MODBUS-RTU, MODBUS-TCP, IEC60870-101/103/104, DLT645, 61850

INDUSTRIAL WIRELESS

Industrial Wireless AP/AC • Industrial Wireless Router •
Industrial Cellular Wireless DTU • Lora&NB-IoT •

Industrial Wireless

Industrial Wireless AP/AC

Model	IWAC6325

Standard and Protocol	
	IEEE 802.3, 802.3u, 802.3ab; TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DDNS, IPsec, PPTP, L2TP; CAPWAP protocols ;
CPU	
	Intel I7
RAM	
	2G DDR3 1333\1600MHz (8GB max)
SSD	
	32G SSD
Dissipate Heat	
	Ultra quiet fan
Interface	
	6 * Gigabit WAN port,customizable 6 * Gigabit LAN port, customizable 1 * serial port, 2 * USB 2 * optical port
Power Supply	
	AC100~240V,50W max
Physical Dimension	
	440×285×44
Working Temperature	
	-20℃~+55℃
Storage Temperature	
	-40℃~+70℃
Working Humidity	
	5% ~ 97%RH (No condensation)

Software Function	
	Flow control,load balancing,black and white list,etc
AP Management	
	2000PCS Wireless AP max
Cloud AC	
	Gather and telemanagement, config wireless AP, view of the user status
WAN Connection	
	DHCP, static IP, PPPoE, PPTP
DHCP	
	DHCP Server/Client
MAC Address Clone	
	Modify the WAN/LAN/DMZ MAC address
VLAN Management	
	Manage the wireless AP by dividing the VLAN IDs
Authentication	
	Local authentication Remote authentication (wechat,wechat Wi-Fi,SMS, user authentication,etc.)
Management	
	Web/CLI/Telnet
Others	
	DDNS,VPN management

Industrial Wireless

Industrial Wireless AP/AC

Model	IWAP3214G	IWAP3102

Main Chip	
	IPQ4019+QCA9886+QCA8075
Memory	
	256MB DDR3
Flash	
	32MB SPI
Network Interface	
	1*10/100/1000 adaptive LAN port,1* Gigabit SFP combo port
Power Supply	
	POE/48V 0.65A
Working Frequency Band	
	Radio I:11b/g/n:2.412~2.484GHz 2 gigabit optical ports, 2 USB, 1 console, 1 VGA
Software Function	
	State monitoring, flow control, load
Management Method	
	Intelligent control,link mode, radio frequency management, user access,etc
Wireless Function	
	Port binding,internal and external network config,DHCP,static routing, VLAN
Access Control	
	IP/MAC binding,DMZ,access limit,NAT, rating control
System Management	
	Administrative permissions, backup and recovery,system upgrade,system logs
Working Environment	
	Operating temperature:-40°C~+70°C Relative humidity 0%~90% (no condensation)

Main Chip	
	Qualcomm QCA9531+QCA9887 750Mbps high performance enterprise chip
Main Frequency	
	580MHz
Radio-frequency Range	
	ISM: 2.400GHz ~ 2.4835GHz, 5.150GHz ~ 5.850GHz
Wireless Technology	
	2.4G: 300M 802.11b/g/n 、 5.8G: 900M 802.11a/n/ac MIMO
Memory	
	128MB DDR RAM
Flash	
	16MB
Network Interface	
	1*10/100Mbps adaptive port
Button	
	1 * Reset Long press for 15s to restore the factory setting
Indicator Light	
	WAN, LAN interface status light, management status light, mode state light
Antenna Wire	
	External 2 dual-frequency high-gain 8dBi omni-directional antenna (or directional 10/13dBi)
Power Supply	
	48V 802.3AF /24V non-standard POE power supply can be selected, DC 12V 1A, power<20W
Working Environment	
	Operating temperature: -40℃~+55℃ relative humidity: 5%~95% (no condensation)

Software function	
	Peanut shell intranet penetration, dynamic DNS,SNMP,VPN
Dimension(L)x(W)x(H)mm	
	440×285×44

Industrial Wireless

Industrial Wireless AP/AC

Model	MIAP705G-GC-4GT	MIAP7102G-Exi
		
Network Parameter		
Router operating mode	Fat AP: Routing/bridging mode(phase 2) Fit AP: bridging mode	Routing, AP, network bridge, Client mode
WAN protocol	DHCP,static IP, PPPoE (in fat AP mode only)	DHCP, Static IP, PPPoE
Routing forward	Support the built-in firewall and virtual address conversion (NAT), support static routing tables	
WAN/LAN config	WAN up link:support WAN,DHCP,static IP;not support extended VLAN number LAN:support DHCP Server in fat AP mode,IP/MAC binding;not support DHCP server in fit AP mode;LAN/WAN works as switch in the same network segment;IP is assigned uniformly by the previous level	WAN up link:support WAN,DHCP,static IP; LAN port:support DHCP Server and IP/MAC binding in routing mode;not support DHCP server in bridging mode, LAN/WAN works as switch in the same network segment; IP is assigned uniformly by the previous level
Interface Parameter		
Network port	WAN:1x10/100/1000Base-T(X) RJ45(no POE power reception function) LAN:1x10/100/ 1000Base-T(X) RJ45(POE power reception support) Optic port: 1-way	WAN:1x10/100/1000Base-T(X) RJ45 or gigabit adaptive SFP LAN:1x10/100/1000Base-T(X) RJ45
Debug serial port	1-way RJ45 interface	3P-2.54mm terminal block
Antenna	2 Wi-Fi antennas,support both 2.4G and 5.8G	
WI-FI Specification		
Standard and frequency band	Support 802.11b/g/n/ax,2.4GHz,802.11a/n/ac/ax,5.8GHz	
Antenna config	2.4 GHz: 2x2/40 MHz、5 GHz: 2x2/80 MHz	
Transmission power	2.4G max 28dBm、5.8G max 26dBm	
Channel bandwidth	2.4G:20mhz,40mhz、5.8G:20mhz,40mhz,80mhz	
Fast and seamless roaming	Multi-AP fast roaming technology,the roaming switching time <50ms Support two roaming modes: AC-controlled roaming,802.11k/v/r roaming	
Receiving sensitivity	5.8GHz: -64.5 dBm (VHT80/MCS9/2SS),-59.0 dBm (VHT80/MCS11/2SS) -64.0 dBm (HE80/MCS9/2SS),-58.0 dBm (HE80/MCS11/2SS) 2.4GHz: -69.0 dBm (VHT40/MCS9/2SS),-63.0 dBm (VHT40/MCS11/2SS) -68.5 dBm (HT40/MCS9/2SS),-63.0 dBm (HE40/MCS11/2S)	
Transmission power	2.4G max 28dBm,5.8G max 26dBm	
Max number of access users	Max users:256(there may be differences in actual scenarios) Recommended users:<64 (20 for 2.4G and 63 for 5.8G)	
Power Supply		
Power input	DC9~36V,1x5pin terminal dual power redundant input	DC12~48V,3P-5.08 terminal power input
Operating current	—	10W
Working Environment		
Working temperature	-40℃~+70℃	-40℃~+75℃
Relative humidity	5%~95%(Non-condensation)	5%~95%(Non-condensation)
Physical Parameter		
Installation	Din Rail	Embedded installation
Dimension(L)*(W)*(H)(mm)	140×54×110	128×85×19.5
Safety Protection		
Static electricity	Level 3	Level 3B
Pulse group	Level 4	Level 2A
Surge	Level 4	Level 2B
Firewall		
Firewall	Support firewall,port mapping, DMZ host,UPnP,access control black and white list (only supported in fat AP mode)	
QoS	Support IP speed limit,MAC speed limit, flow limit,support QoS;(only supported in fat AP mode)	

Industrial Wireless

Industrial Wireless Router

Model	MIR785-W	MIR685-W	MIR675-W	MIR675-WB
				
Network Parameter				
Network system	China Mobile/Unicom/ Telecom 5G,4G and 3G	China Mobile/Unicom/ Telecom 5G,4G and 3G	China Mobile/Unicom/ Telecom 4G,3G and 2G	China Mobile/Unicom/ Telecom 4G,3G and 2G
Working- frequency Band	5G NR NSA/SA,LTE-FDD, LTE-TDD,WCDMA, GNSS: GPS/GLONASS/ BeiDou/Galileo	5G NR NSA/SA,LTE-FDD, LTE-TDD WCDMA GNSS:GPS/BeiDou/ GLONASS	LTE-FDD,LTE-TDD,WCDMA, TD-SCDMA,CDMA,GSM	LTE-FDD,LTE-TDD,WCDMA, TD-SCDMA,CDMA,GSM
Quantity of antenna	4	4	1	2
Antenna interface	SMA(outer screw and inner hole)	SMA(outer screw and inner hole)	SMA(outer screw and inner hole)	SMA(outer screw and inner hole)
SIM card	Dual card, standard big card	Dual card, standard big card	Single card, standard big card	Dual card, standard big card
WI-FI Specification				
Antenna standard	2.4GHz 802.11b/g/n/ax 5.8GHz 802.11a/n/ac/ax	802.11b/g/n	802.11b/g/n	802.11b/g/n
Quantity of antenna	2	2	2	2
Antenna interface	SMA(outer screw and inner hole)	SMA(outer screw and inner hole)	SMA(outer screw and inner hole)	SMA(outer screw and inner hole)
Interface				
Isolation protection	1.5kV	1.5kV	1.5kV	1.5kV
LAN interface	4×10/100/1000M RJ45	4×10/100M RJ45	4×10/100M RJ45	4×10/100M RJ45
WAN interface	1×10/100/1000M RJ45	1×10/100M RJ45	1×10/100M RJ45	1×10/100M RJ45
Serial Port				
Serial port interface	1×RS232+1×RS485	1×RS232+1×RS485	1×RS232+1×RS485	1×RS232+1×RS485
Power Parameter				
Power input	DC9~36V	DC9~36V	DC9~36V	DC9~36V
Working current	878mA@12V	300mA@12V	180mA@12V	220mA@12V
Power interface	DC power supply seat,terminal block input			
Power protection	Anti-surge, ESD protection, anti-reverse connection			
Working Environment				
Working temperature	-40℃~+75℃	-20℃~+70℃	-20℃~+70℃	-20℃~+70℃
Relative humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Desktop, wall-mounted			
Dimension(L)*(W)*(H)(mm)	185×112×33			
Basic Function				
DNS domain resolution	Support	Support	Support	Support
APN	Support	Support	Support	Support
Port mapping	Support	Support	Support	Support
Flow rate limit	Support	Support	Support	Support
DHCP	Support	Support	Support	Support
Static routing	Support	Support	Support	Support
PPPOE	Support	Support	Support	Support
Network diagnosis	Support	Support	Support	Support
System log	Support	Support	Support	Support
Web upgrade	Support	Support	Support	Support
Network backup	Support	Support	Support	Support
Watchdog	Support	Support	Support	Support
Restore factory settings	Support	Support	Support	Support
Timed restart	Support	Support	Support	Support
SNMP	Support	Support	Support	Support

Industrial Wireless

Industrial Wireless Router

Model	MIR652-W	MIR605-W	MIR605-WB
			
Network Parameter			
Network system	Mobile:4G,2G Unicom:4G,3G,2G Telecom:3G	2.4G WIFI	2.4G+5.8G WIFI
Working- frequency Band	LTE FDD，LTE TDD，WCDMA，GSM/EDGE	—	—
Quantity of antenna	1	—	—
Antenna interface	SMA(outer screw and inner hole)	—	—
SIM card	Single card, standard big card	—	—
WI-FI Specification			
Antenna standard	802.11b/g/n	802.11b/g/n	802.11b/g/n
Quantity of antenna	2	2	3
Antenna interface	SMA(outer screw and inner hole)	SMA(outer screw and inner hole)	SMA(outer screw and inner hole)
Interface			
Isolation protection	1.5kV	1.5kV	1.5kV
LAN interface	1×10/100M RJ45	4×10/100M RJ45	4×10/100M RJ45
WAN interface	1×10/100M RJ45	1×10/100M RJ45	1×10/100M RJ45
Serial Port			
Serial port interface	RS-232/485	—	—
Power Parameter			
Power input	DC9~36V	DC9~36V	DC9~36V
Working current	317mA@12V	208mA@12V	<2.5W
Power interface	DC power supply seat,terminal block input	Terminal block input	Terminal block input
Power protection	Anti-surge, ESD protection, anti-reverse connection	Anti-surge, ESD protection, anti-reverse connection	Anti-surge, ESD protection, anti-reverse connection
Working Environment			
Working temperature	-40℃~+75℃	-40℃~+85℃	-40℃~+70℃
Relative humidity	5%~95%(Non-condensation)	5%~95%(Non-condensation)	5%~95%(Non-condensation)
Physical Parameter			
Installation	Desktop, wall-mounted	Din Rail	Din Rail
Dimension(L)*(W)*(H)(mm)	162×95×29	118×86×35	118×86×35
Basic Function			
DNS domain resolution	Support	Support	Support
APN	Support	—	—
Port mapping	Support	Support	Support
Flow rate limit	Support	Support	Support
DHCP	Support	Support	Support
Static routing	Support	Support	Support
PPPOE	Support	Support	Support
Network diagnosis	Support	Support	Support
System log	Support	Support	Support
Web upgrade	Support	Support	Support
Network backup	Support	—	—
Watchdog	Support	Support	Support
Restore factory settings	Support	Support	Support
Timed restart	Support	Support	Support
SNMP	Support	Support	Support

Industrial Wireless

Industrial Cellular Wireless DTU Lora&NB-IoT

Model	MGT571	MGT551	MGT541	MNT351
				
Serial Port Number	1	1	1	1
Serial mode	RS232/485/422	RS232/485/422	RS232/485/422	RS232/485/422
Serial spec	Terminal block	Terminal block	Terminal block	Terminal block
Serial isolation	—	—	—	—
Serial rate	600-460800(bps)	600-460800(bps)	600-460800(bps)	600-460800(bps)
Network System				
LTE FDD	B1/B3/B5/B8	B1/B3/B5/B8	B1/B3/B5/B8	B3/B5/B8
LTE TDD	B38/B39/B40/B41	B34/B38/B39/B40/B41	B34/B38/B39/B40/B41	—
WCDMA/TD-SCDMA	B1/B8/B34/B39	B1/B5/B8	—	—
CDMA	BCO	—	—	—
GSM	900/1800MHz	900/1800MHz	900/1800MHz	—
Wireless Communication				
2G network	Support	Support	Support	—
4G network	Support	Support	Support	—
5G network	—	—	—	—
Narrow band NB network	—	—	—	Support
Power Supply				
Power input	DC9~36V	DC9~36V	DC9~36V	DC9~36V
Working current	58mA@12V	68mA@12V	65mA@12V	16mA@12V
Working Environment				
Working temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Relative humidity	5%~95%(Non-condensation)	5%~95%(Non-condensation)	5%~95%(Non-condensation)	5%~95%(Non-condensation)
Physical Parameter				
Installation	Desktop, wall-mounted			
Dimensions(L)*(W)*(H)(mm)	96×90×26			
Basic Function				
Working mode	Simple and transparent transmission, Ali MQTT, China Mobile OneNET MQTT protocol, Modbus			
Socket quantity	2	2	2	2
RFC2217	—	—	—	—
Heartbeat packet detection	Support	Support	Support	Support
AT command config/query	Support	Support	Support	Support
SSL encryption	Support	Support	Support	—
MQTT	Ali MQTT/OneNET MQTT	Ali MQTT/OneNET MQTT	Ali MQTT/OneNET MQTT	Ali MQTT/OneNET MQTT
Modbus	Support	Support	Support	—
CN and EN text message	Support	Not support China Telecom	Not support China Telecom	—
Automatic link maintenance	Support	Support	Support	—
Clock service	—	—	—	—
VPN/IP SEC	—	—	—	—
802.1X	—	—	—	—
HTTPS/SSL	—	—	—	—
Port security binding	—	—	—	—
DHCP	—	—	—	—
RADIUS serve	—	—	—	—

INDUSTRIAL EQUIPMENT NETWORKING

- Industrial Smart Gateway
- Serial Device Networking
- Serial Isolator/Repeater
- CAN Device Networking
- Serial to Fiber Modem
- Serial Converter

Industrial Device Networking

Serial to Ethernet Server

Model	Mport3232	Mport3216-I	Mport3216
			
Serial Port Number	**32**	**16**	**16**
Serial port	RS-232/485/422	RS-485/422	RS-232/485
Interface	RJ45	5-pin terminals	5-pin terminals
Isolation	—	2KVAC/3KVDC	—
Rate	600~460800bps	300~460800bps	600~460800bps
Ethernet Port			
10/100M RJ45 port	—	—	—
10/100/1000M RJ45 port	—	—	2
100M FX port	—	—	—
1000M SFP port	—	—	—
1000M combo port	2	2	—
Power			
Power input	85~264VAC/110~370VDC	85~264VAC/110~370VDC	85~264VAC/110~370VDC
Consumption	12W@AC220V	6.5W@ AC220V	6.5W@ AC220V
Working Environment			
Operating temperature	-40℃~+70℃	-40℃~+70℃	-40℃~+70℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Rack Mount	Rack Mount	Rack Mount
Dimensions(L)*(W)*(H)(mm)	440×210×44	440×210×44	440×210×44
Basic Function			
Network protocol	IPv4, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217, NTP, TELNET, SNMP, TFTP		
IP access	Static IP/DHCP		
User configuration	Web page configuration /Console port network parameter configuration		
Transparent transmission	TCP Server/TCP Client/UDP Client/UDP Multicast/Pair Connection/Real COM		
Modbus	Modbus RTU/ASCII to Modbus TCP		
Serial port packaging mechanism	The time and length can be set. The default value varies according to the bit rate; The maximum packing length is 1460bytes		
TCP Server connection	8 channels		
Heartbeat packet	Support		
Registration packet	Support		
RFC2217	Support		
Average transmission delay	<10ms		

Industrial Device Networking

Serial to Ethernet Server

Model	Mport3208-I	Mport3208
		
Serial Port Number	**8**	**8**
Serial port	RS-485/422	RS-232/485
Interface	5-pin terminals	5-pin terminals
Isolation	2KVAC/3KVDC	—
Rate	600~460800bps	600~460800bps
Ethernet port		
10/100M RJ45 port	2	2
10/100/1000M RJ45 port	—	—
100M FX port	—	—
1000M SFP port	—	—
1000M combo port	—	—
Power		
VoltagePower input	85~264VAC/110~370VDC	85~264VAC/110~370VDC
Consumption	4.5W@AC220V	2.5W@AC220V
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter		
Installation	Rack Mount	Rack Mount
Dimension(L)*(W)*(H)(mm)	440×210×44	440×210×44
Basic function		
Network protocol	IPv4, IP, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217, NTP	
IP access	Static IP/DHCP	
User configuration	Web page configuration	
Transparent transmission	TCP Server/TCP Client/UDP Client/UDP Multicast/Pair Connection/Real COM	
Modbus	Modbus RTU/ASCII to Modbus TCP	
Serial port packaging mechanism	The time and length can be set. The default value varies according to the bit rate; The maximum packing length is 1460bytes	
TCP Server connection	8 channels	
Heartbeat packet	Support	
Registration packet	Support	
RFC2217	Support	
Average transmission delay	<10ms	

Industrial Device Networking

Serial to Ethernet Server

Model	Mport3108-485	Mport3108-232
		
Serial Port Number	**8**	**8**
Serial port	RS-485	RS-232
Interface	5-pin terminals	5-pin terminals
Isolation	1.5KV	1.5KV
Rate	600~460800bps	600~460800bps
Ethernet Port		
10/100M RJ45 port	1	1
10/100/1000M RJ45 port	—	—
100M FX port	—	—
1000M SFP port	—	—
1000M combo port	—	—
Power		
Power input	9~36V	9~36V
Consumption	91mA@12V	91mA@12V
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter		
Installation	Desktop, wall-mounted	Desktop, wall-mounted
Dimension(L)*(W)*(H)(mm)	185×112×33	185×112×33
Basic Function		
Network protocol	IPv4, IP, TCP/UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217	
IP access	Static IP/DHCP	
User configuration	Web page configuration	
Transparent transmission	TCP Server/TCP Client/UDP Client/UDP Multicast/RealCOM/Pair Connection	
Modbus	Modbus RTU/ASCII to Modbus TCP	
Serial port packaging mechanism	The time and length can be set. The default value varies according to the bit rate; The maximum packing length is 1460bytes	
TCP Server connection	8 channels	
Heartbeat packet	Support	
Registration packet	Support	
RFC2217	Support	
Average transmission delay	<10ms	

Industrial Device Networking

Serial to Ethernet Server

Model	Mport3104-I	Mport3104
		
Serial Port Number	**4**	**4**
Serial port	RS-485/422	RS-232/485
Interface	5-pin terminals	5-pin terminals
Isolation	3KVDC	—
Rate	600~460800bps	600~460800bps
Ethernet port		
10/100M RJ45 port	1	1
10/100/1000M RJ45 port	—	—
100M FX port	—	—
1000M SFP port	—	—
1000M combo port	—	—
Power		
Power input	9~36V	9~36V
Consumption	104mA@12V	66mA@12V
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter		
Installation	Desktop, wall-mounted	Desktop, wall-mounted
Dimension(L)*(W)*(H)(mm)	185×112×33	185×112×33
Basic Function		
Network protocol	IPv4, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217	
IP access	Static IP/DHCP	
User configuration	Web page configuration	
Transparent transmission	TCP Server/TCP Client/UDP Client/UDP Multicast/Pair Connection/Real COM	
Modbus	Modbus RTU/ASCII to Modbus TCP	
Serial port packaging mechanism	The time and length can be set. The default value varies according to the bit rate; The maximum packing length is 1460bytes	
TCP Server connection	8 channels	
Heartbeat packet	Support	
Registration packet	Support	
RFC2217	Support	
Average transmission delay	<10ms	

Industrial Device Networking

Serial to Ethernet Server

Model	Mport3102-I	Mport3102	Mport3102R
			
Serial Port Number	**2**	**2**	**2**
Serial port	RS-485/422	RS-232+RS-485/422	RS-485/232
Interface	RS-485/422 5-pin terminals	RS232:DB9M RS-485/422 5-pin terminals	RS-485/232 14-pin terminals
Isolation	3KVDC	—	—
Rate	600~460800bps	600~460800bps	600~460800bps
Ethernet Port			
10/100M RJ45 port	1	1	1
10/100/1000M RJ45 port	—	—	—
100M FX port	—	—	—
1000M SFP port	—	—	—
1000M combo port	—	—	—
Power			
VoltagePower input	9~36V	9~36V	9~36V
Consumption	78mA@12V	39mA@12V	43mA@12V
Working Environment			
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+70℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
Installation	Desktop, wall-mounted	Desktop, wall-mounted	Din Rail
Dimension(L)*(W)*(H)(mm)	162×95×29	96×90×26	103×72.2×33.8
Basic Function			
Network protocol	IPv4, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217	IPv4, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217	IPv4, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217
IP access	Static IP/DHCP	Static IP/DHCP	Static IP/DHCP
User configuration	Web page configuration	Web page configuration	Web page configuration
Transparent transmission	TCP Server/TCP Client/UDP Client/UDP Multicast/Pair Connection/Real COM		
Modbus	Modbus RTU/ASCII to Modbus TCP		
Serial port packaging mechanism	The time and length can be set. The default value varies according to the bit rate; The maximum packing length is 1460bytes		
TCP Server connection	8 channels	8 channels	8 channels
Heartbeat packet	Support	Support	Support
Registration packet	Support	Support	Support
RFC2217	Support	Support	Support
Average transmission delay	<10ms	<10ms	<10ms

Industrial Device Networking

Serial to Ethernet Server

Model	Mport3101-I	Mport3101	Mport3101-W	Mport3101R
				
Serial Port Number	**1**	**1**	**1**	**1**
Serial port	RS-232/RS-485/422	RS-232/RS-485/422	RS-232/RS-485/422	RS-232/RS-485
Interface	RS232: DB9 male RS-485/422:5-pin terminals			RS-232/485:5-pin terminals
Isolation	2KV DC	—	—	—
Rate	600~460800bps	600~460800bps	300~230400bps	600~460800bps
Ethernet Port				
10/100M RJ45 port	1	1	1	1
10/100/1000M RJ45 port	—	—	—	—
100M FX port	—	—	—	—
1000M SFP port	—	—	—	—
1000M combo port	—	—	—	—
Power				
VoltagePower input	9~36V	9~36V	9~36V	5~36V
Consumption	83mA@12V	37mA@12V	37mA@12V	43mA@12V
Working Environment				
Operating temperature	-40℃~+85℃	-40℃~+85℃	-40℃~+70℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter				
Installation	Desktop, wall-mounted	Desktop, wall-mounted	Desktop, wall-mounted	Din Rail
Dimension(L)*(W)*(H)(mm)	96×90×26	96×90×26	96×90×26	87.5×36.5×58.7
Wireless				
Wireless standard	—	—	802.11b/g/n	—
Antenna	—	—	1	—
Antenna interface	—	—	SMA	—
Wi-Fi	—	—	AP/Client/AP+Client	—
Safety protocol	—	—	WEP/WPAPSK/WPA2PSK	—
Basic Function				
Network protocol	IPv4, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217	IPv4, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217	IP, TCP, UDP, ARP, ICMP, DHCP Client, DNS, HTTP, SNMP, NTP, FTP, Modbus TCP, UPNP	IPv4, TCP, UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217
IP access	Static IP/DHCP	Static IP/DHCP	Static IP/DHCP/PPPoe/AUTO-IP	Static IP/DHCP
User configuration	Web page configuration	Web page configuration	Web page configuration	Web page configuration
Transparent transmission	TCP Server/TCP Client/UDP Client/UDP Multicast/Pair Connection/Real COM			
Modbus	Modbus RTU/ASCII to Modbus TCP			
Serial port packaging mechanism	The time and length can be set. The default value varies according to the bit rate; The maximum packing length is 1460bytes			
TCP Server connection	8 channels	8 channels	8 channels	8 channels
Heartbeat packet	Support	Support	Support	Support
Registration packet	Support	Support	Support	Support
RFC2217	Support	Support	Support	Support
Average transmission delay	<10ms	<10ms	<10ms	<10ms

Industrial Device Networking

CAN to Ethernet Converter

Model	MW-CANET300	MW-CANET200
		
Network Port	**1**	**1**
Ethernet port	1*10/100Mbps, support MDI/MDIX crossover direct connection and automatic flip	
Power		
Power input	DC9~36V	DC9~36V
Consumption	65mA@12V	63mA@12V
CAN Parameter		
CAN port number	1 Road	2 Road
Way to work	Normal, Loopback, Listen Only	Normal, Loopback, Listen Only
CAN Baud rate	5K-1M (bps)	5K-1M (bps)
CAN protect	2KVAC	2KVAC
Matching resistance	Wiring terminal configuration	Wiring terminal configuration
Serial port parameter		
Serial port number	1-way RS232/485	—
Baud rate	600~460800(bps)	—
Data bit	7、8	—
Stop bit	1、2	—
Check bit	None\Odd parity\Parity checking	—
Working Environment		
Operating temperature	-40℃~+85℃	-40℃~+85℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter		
Installation	Desktop, wall-mounted	Desktop , wall-mounted
Dimension(L)*(W)*(H)(mm)	162×95×29	162×95×29
Software parameter		
CAN ID filtering function	Support	Support
CAN additional features	CAN turn RS232/RS485	CAN relay
CAN transceiver capability	Send: 6000 frames/sec; Receive: 8000 frames/sec;	
CAN cache	Send: 200 complete packets (per channel); Receive: 200 complete packets (per channel)	
Serial port cache	Send: 1.5Kbyte; Receive: 1.5Kbyte	—
RFC2217	Support	—
Network connection number	Supports a maximum of four network connections	Supports a maximum of four network connections
Heartbeat packet	Support	Support
Registration packet	Support	Support
Average transmission delay	<10ms	<10ms
Static IP,DHCP	Support	Support
No data timeout restart	Support	Support

Industrial Device Networking

Industrial Smart Gateway

Model	MaxGate600	MaxGate500
		
basic parameter		
CPU	ARM Cortex-A8 32-Bit, main freq.1GHz	ARM ARM926EJ-S, main freq.300MHz
Memory	1GByte DDR3	128MB DDR2
Flash	64MB SPI Nor Flash	32MB SPI Nor Flash
EMMC/SD	8GByte	8GB EMMC and Micro SD card
OS	Linux 3.0 above	Linux 3.0 above
Network Port		
Network port type	2*10/100/1000Base-T adaptive RJ45 interface	10/100Mbps adaptive RJ45 interface
Isolation	1.5KV	1.5KV
Debug Serial Port		
Serial port number	1-way RJ45 to DB9, using USB2.0 HOST interface	1-way USB debugging port, in the form of Micro-USB interface
Parameter	Baud rate: 115200, Data bits: 8, Parity Bit: none, Stop Bit: 1, Flow Control: none	Baud rate: 115200, Data bits: 8, Parity Bit: none, Stop Bit: 1, Flow Control: none
Serial Port		
Serial port number	8*RJ45	4*RS485
Parameter	1200~115200 (bps); 1/1.5/2 stop bits; 5/6/7/8 data bits; None, odd parity, even parity, three validation methods	1200~460800 (bps); 1/1.5/2 stop bits; 5/6/7/8 data bits; None, odd parity, even parity, three validation methods
Isolation	2KVAC/3KVDC	2KVAC/3KVDC
Storage Card		
Quantity	—	1
Specification	—	Micro SD
DI/DO		
Channel	3	2
Input	Level signal	Level signal
Level range	Wet contact: logic level 0: no external power input; Logic level 1: with external 9~30V external power input	Wet contact: logic level 0: no external power input; Logic level 1: with external 9~30V external power input
4G		
Network	Mobile/Unicom/Telecom 4G(4 modes 14 bands)	CAT4: Mobile/Unicom/Telecom 4G, M (4-mode 14-band)
SIM Card Slot		
Quantity	1	2
Voltage	3V，1.8V	3V，1.8V
Size	Standard	Standard
GPS		
Default galaxy configuration	—	GPS + BeiDou
Frequency	—	GPS L1 C/A: 1575.42 ±1.023 MHz BeiDou B1I: 1561.098 ±2.046 MHz
Power		
Voltage	AC85-264V/DC110-370V	DC9~48V
Consumption	8W@AC220V	2.54W@DC12V
Quantity	Single power input, external battery input interface	2-way power supply mutual backup redundant design
Working environment		
Working environment	-25℃~+70℃	-40℃~+75℃
Relative humidity	5%~95%(No condensation)	5%~95%(No condensation)
Physical		
Installation	Din Rail	Din Rail
Dimensions(L)*(W)*(H)(mm)	156×72×120	140×54×110

Industrial Device Networking

Serial to Fiber Modem

Model	MWF516-4F	MWF516-8F	MWF516-10F	MWF516-16F
				
Serial Port				
Serial port type	RS232/485/422 are available	RS232/485/422 are available	RS232/485/422 are available	RS232/485/422 are available
Serial port number	1	1	1	1
Rate	300bps~115.2Kbps	300bps~115.2Kbps	300bps~115.2Kbps	300bps~115.2Kbps
Signal delay	—	—	—	—
Protection	—	—	—	—
Terminal resistance	—	—	—	—
Fiber Port				
Fiber port type	Single mode/multimode	Single mode/multimode	Single mode/multimode	Single mode/multimode
Serial port number	4	8	10	16
Wavelength	Single mode 1310/1550nm, multimode 850/1310			
Transmission fiber	Single mode 9/125umMultimode 50/125um, 62.5/125um			
Transmission distance	Single mode 20/40/60/80km multimode 2~5km			
Bit error rate of optical line	$\leq 10^{-9}$			
Transmitted optical power	≥-8dBm			
Reception sensitivity	≤-20dBm			
Technical Standard				
Standard	RS232,RS485,RS422			
Indicator Light				
Power	POW			
Main/Slave station	—			
Run	TXD,RXD			
Power				
Voltage	AC85~256V/DC110~380V			
Consumption	< 5W(MAX)			
Protection	Overload protection, 600W/ms lightning protection, 15KV electrostatic protection			
Working Environment				
Working temperature	-20℃~+70℃			
Ambient humidity	5%~95%(No condensation)			
Physical Parameter				
IP protection	IP30			
Dimension(L)*(W)*(H)(mm)	483×44×210			

Industrial Device Networking

Serial to Fiber Modem

Model	MWF208-F	MWF204-F
		
Serial Port		
Serial port type	RS232/485/422 are available	RS232/485/422 are available
Num. of serial port	8	4
Rate	300bps~115.2Kbps	300bps~115.2Kbps
Signal delay	—	—
Protection	—	—
Terminal resistance	—	—
Fiber Port		
Fiber port type	Single mode/multimode	Single mode/multimode
Serial port number	4	16
Wavelength	Single mode 1310/1550nm multimode 850/1310	
Transmission fiber	Single mode 9/125um Multimode 50/125um, 62.5/125um	
Transmission distance	Single mode 20/40/60/80km multimode 2~5km	
Bit error rate of optical line	$\leq 10^{-9}$	
Transmitted optical power	≥-10dBm	
Reception sensitivity	≤-34dBm	
Technical Standard		
Standard	RS232/485/422	
Indicator Light		
Power	POW	
Main/Slave station	—	
Run	TXD、RXD、TX1-TX8、RX1-RX8、ERR	
Power		
Voltage	DC5~12V	
Consumption	< 5W(MAX)	
Protection	600W/ms lightning protection, 15KV electrostatic protection	
Working Environment		
Working temperature	-20℃~+75℃	
Ambient humidity	5%~95%(No condensation)	
Physical Parameter		
IP protection	IP30	
Dimension(L)*(W)*(H)(mm)	225×96×30	

Industrial Device Networking

Serial to Fiber Modem

Model	MWF201	MWF201-KG	MWF201-K
			
Serial Port			
Serial port type	Terminals/DB9	Terminals	DB9
Serial port number	1	1	1
Rate	300bps~115.2Kbps	300bps~115.2Kbps	300bps~115.2Kbps
Signal delay	100ns	100ns	100ns
Protection	15KVESD	15KVESD	15KVESD
Terminal resistance	External connection	External connection	External connection
Fiber Port			
Fiber port type	Single mode/multimode	Single mode/multimode	Single mode/multimode
Serial port number	1	1	1
Wavelength	Single mode 1310/1550nm, multimode 850/1310		
Transmission fiber	Single mode 9/125um Multimode 50/125um, 62.5/125um		
Transmission distance	Single mode 20/40/60/80km multimode 2~5km		
Bit error rate of optical line	$<10^{-9}$	—	—
Transmitted optical power	≥-8dBm	≥-8dBm	≥-8dBm
Reception sensitivity	≤-20dBm	≤-20dBm	≤-20dBm
Technical Standard			
Standard	RS232,RS485/422	RS232,RS485/422	RS232,RS485/422
Indicator Light			
Power	POW	POW	POW
Main/Slave station	—	—	—
Run	TX/RX	TX/RX	TX/RX
Power			
Voltage	DC5~30V	DC5~30V/AC220V	DC5~30V/AC220V
Consumption	< 1W(MAX)	< 1W(MAX)	< 1W(MAX)
Protection	Overload protection 600W/ms lightning protection 15KV electrostatic protection	15KV electrostatic protection	15KV electrostatic protection
Working Environment			
Working temperature	-40℃~+85℃	-20℃~+70℃	-20℃~+70℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	5%~95%(No condensation)
Physical Parameter			
IP protection	IP30	IP30	IP30
Dimension(L)*(W)*(H)(mm)	96×90×26	118×35×86	—

Industrial Device Networking

Serial to Fiber Converter

Model	MWF501	MWF501-KG	MWF-CAN-F
			
Serial Port			
Serial port type	RS232/485/422 are available	RS232/485/422 are available	—
Serial port number	1	1	—
Rate	300bps~115.2Kbps	300bps~115.2Kbps	300bps~300Kbps
Signal delay	—	—	—
Protection	—	—	—
Terminal resistance	—	—	—
Fiber Port			
Fiber port type	Single mode/multimode	Single mode/multimode	Single mode/multimode
Serial port number	2	2	1
Wavelength	—	—	Single mode 1310/1550nm multimode 850/1310
Transmission fiber	Single mode 9/125um, Multimode 50/125um, 62.5/125um		
Transmission distance	—	—	Single mode 20/40/60/80km multimode 2~5km
Bit error rate of optical line	$\leq 10^{-9}$	$\leq 10^{-9}$	$\leq 10^{-9}$
Transmitted optical power	-8.5dBm	-8.5dBm	-8dBm
Reception sensitivity	-38dBm	-38dBm	-20dBm
Technical Standard			
Standard	RS232,RS485/422	RS232,RS485/422	CAN Bus
Indicator Light			
Power	—	PWR1, PWR2	POW
Main/Slave station	MAIN, SUB	MAIN, SUB	—
Run	LOOPA/B,TXA/B,RXA/B,TXD,RXD	LOOPA/B,TXA/B,RXA/B,TXD,RXD	—
Power			
Voltage	DC9~30V	DC12/24/48V, AC220V	DC5~30V
Consumption	< 2W(MAX)	< 5W(MAX)	< 1W(MAX)
Protection	Overload protection 600W/ms lightning protection 15KV electrostatic protection		—
Working Environment			
Working temperature	-20℃~+75℃	-20℃~+75℃	-20℃~+70℃
Ambient humidity	5%~95%(No condensation)	5%~95%(No condensation)	—
Physical Parameter			
IP protection	IP30	IP30	—
Dimension(L)*(W)*(H)(mm)	110×100×27	144×97×33	90×70×30

Industrial Device Networking

Interface Converter

Model	MWE485-A	MWE485-B	MWE485-C	MWE485-D
				
Specification Parameter				
Interface standard	RS232\RS485 Standard	RS232\RS485 Standard	RS232\RS-485/RS422 Standard	RS232\RS-485/RS422 Standard
Interface form	DB9 for RS232 at one end, 4-pin terminal block at the other end	DB9 for RS232 at one end, 4-pin terminal block at the other end	DB9 for RS232 at one end, 6-pin terminal block at the other end	DB9 for RS232 at one end, 6-pin terminal block at the other end
Transmission mode	Arynchronous, semi-duplex, transparent transmission	Arynchronous, semi-duplex, transparent transmission	Arynchronous, semi/full duplex ,transparent transmission	Arynchronous, semi/full duplex ,transparent transmission
Transmission rate	300bps~115.2Kbps	300bps~38.4Kbps	300bps~115.2Kbps	300bps~38.4Kbps
Power supply	RS232 port power	External power supply of DC5V	RS232 port power	External power supply of DC5V
Isolation protection	No isolation	With isolation	No isolation	With isolation

Interface Converter

Model	MWE485-E	MWE485-F	MWE485-TD	MWE485-TDM
				
Specification Parameter				
Interface standard	RS232\RS-485/RS422 Standard	RS232\RS485 Standard	RS232\RS-485/RS422 Standard	RS232\RS-485/RS422 Standard
Interface form	DB9 for RS232 at one end, 6-pin terminal block at the other end	DB9 for RS232 at one end, 4-pin terminal block at the other end	DB9 for RS232 at one end, 10-pin terminal block at the other end	DB9 for RS232 at one end, 10-pin terminal block at the other end
Transmission mode	Arynchronous, semi/full duplex ,transparent transmission	Arynchronous, semi-duplex, transparent transmission	Arynchronous, semi/full duplex, transparent transmission	Arynchronous, semi/full duplex, transparent transmission
Transmission rate	300bps~38.4Kbps	300bps~57.6Kbps	300bps~115.2Kbps	300bps~115.2Kbps
Power supply	RS232 port power	RS232 port power	External power supply of DC5V or DC9~30V	External power supply of DC5V or DC9~30V
Isolation protection	With isolation	With isolation	Isolation for 2 ends signals	Ioslation for 3 ends signals and power

Industrial Device Networking

Interface Converter

Model	MWE232-H4	MWE485-H4	MWE485-HUB4	MWE485-HUB8
				
Specification Parameter				
Interface standard	RS232 standard	RS232\RS485 Standard	RS232\RS-485/RS422 Standard	RS232\RS-485/RS422 Standard
Input interface	RS-232	RS-232/RS-485	RS232\RS-485/RS422	RS232\RS-485/RS422
Output interface	4-way RS-232	4-way RS-485	4-way RS232\RS-485/RS422	4-way RS-485/RS422
Interface form	10-pin terminal block at 2 ends	10-pin terminal block at 2 ends	DB9 connectors at 2 ends	Terminal block at 2 ends
Transmission mode	Arynchronous, full-duplex, transparent transmission	Arynchronous, semi/full duplex, transparent transmission	Arynchronous, semi/full duplex, transparent transmission	Arynchronous, semi/full duplex, transparent transmission
Transmission rate	300bps~115.2Kbps	300bps~115.2Kbps	300bps~115.2Kbps	300bps~115.2Kbps
Power supply	External power supply of DC5V or DC9~30V	External power supply of DC5V or DC9~30V	External power supply of DC5V	External power supply of DC5V

Interface Converter

Model	MWE810	MWE820-A	MWE820-B	MWE814	MWE824
					
Specification Parameter					
Interface standard	USB V1.0/2.0 standard	USB V1.0/2.0 and RS485/422 standard	USB V1.0/2.0 and RS232\RS485/422 standard	USB V1.0/2.0 and RS232 standard	USB V1.0/2.0 and RS485 standard
Conversion interface	RS-232	RS-485/RS-422	RS232\RS-485/RS422	4-way RS-232	4-way RS-485
Direction control	Data flow automatic control	Data flow automatic control	Data flow automatic control	Data flow automatic control	Data flow automatic control
Interface form	DB9 male connnector	5-pin terminal block	10-pin terminal block	10-pin terminal block	10-pin terminal block
Transmission mode	Arynchronous, full-duplex, transparent transmission	Arynchronous, semi/full duplex,transparent transmission			Arynchronous, semi-duplex, transparent transmission
Transmission rate	110bps~115.2Kbps	300bps~115.2Mbps	300bps~115.2Mbps	300bps~115.2Mbps	300bps~115.2Mbps
Load capacity	Point-to-point	Multi-communication (128 nodes)	Point-to-point multi-drop communication (128 nodes)	Point-to-point	Multi-drop communication (128 nodes)

Industrial Device Networking

Port Isolator

Model	MWE232-A	MWE232-B	MWE232-C	MWE232-Y
				
Specification Parameter				
Interface standard	7-wire RS-232	3-wire RS-232	3-wire RS-232	3-wire RS-232
Interface form	DB9 connector at 2 ends	DB9 connector at 2 ends	DB9 connector at 2 ends	DB9 and 4-pin terminal block at each end
Transmission mode	Arynchronous, full-duplex, transparent transmission	Arynchronous, full-duplex, transparent transmission	Arynchronous, full-duplex, transparent transmission	Arynchronous, semi-duplex, transparent transmission
Transmission rate	300bps~38.4Kbps	300bps~38.4Kbps	300bps~115.2Kbps	300bps~28.8Kbps
Power supply	RS232 port power	RS232 port power	External power supply of DC5V	RS232 port power

Model	MWE485-Y	MWE485-YGS	MWE485-YG	MWE485-YGM
				
Specification Parameter				
Interface standard	RS-485\422 Standard	RS-485 Standard	RS-485/422 Standard	RS-485\422 Standard
Interface form	Terminal block at both ends	Terminal block at both ends	Terminal block at both ends	Terminal block at both ends
Transmission mode	Arynchronous, semi/full duplex, transparent transmission	Arynchronous, semi-duplex, transparent transmission	Arynchronous, semi/full duplex, transparent transmission	Arynchronous, semi/full duplex, transparent transmission
Transmission rate	300bps~115.2Kbps	300bps~38.4Kbps	300bps~115.2Kbps	300bps~115.2Kbp
Power supply	External power supply of DC5V	External power supply of DC5V	External power supply of DC5V or DC9~30V	External power supply of DC5V or DC9~30V
Isolation protection	No isolation	With isolation	Isolation for 2 ends signals	Ioslation for 3 ends signals and power

Model	MWE601	MWE601-G	MWE602	MWE605
				
Specification Parameter				
Interface standard	RS-232	RS-232	RS-485	100M Ethernet
Interface form	DB9 connector	DB9 connector	Terminal block	RJ 45
Defensive voltage	4KV/700us	10KV/8us	10KV/8us	—
Defensive current	1KA/20us	1KA/20us	1KA/20us	3KA/20us
Transmission rate	300bps~115.2Kbps	300bps~115.2Kbps	300bps~115.2Kbps	100M
Clamp voltage	<10.6V	<12V	<12V	≤35V
Response time	10ns	5ns	5ns	5ns
Insertion loss	<0.1dB	<0.2dB	<0.2dB	≤0.5dB

Network Management Software

System Introduction

Maxview network management system is a comprehensive management software for industrial Ethernet switches. Maxview adopts a unified user interface, which can conduct unified management and topology detection for all managed Industrial Ethernet switches produced by MAIWE.

Maxview realizes the following main functions: switch IP batch setting, network topology query, log system, real-time alarm, switch setting, etc. And cross platform porting supports Linux system; Support the automatic detection function of topology map to improve the accuracy of real-time changes of topology map; It supports the function of regularly detecting topology maps.

It supports the SNMP V3 protocol, and authentication mode supports SHA1, MD5 and AES256 encryption protocols. The encryption mode supports AES, AES192, AES256 and DES encryption protocols. SNMP scanning also adds fast scanning and accurate scanning modes. Fast scanning has short scanning time and low accuracy. Accurate scanning: the overall scanning time is long and the accuracy is high.

System Parameter

Product Function	MaxView
SNMP	Support V1/V2C/V3/TRUNK
General management interface	Supports version 3.0
LLDP topological graph	Support accurate topology display
Automatically detect topology	Support
License authorization	Support
Export topology	Support
Operating system	Support Windows/Linux (x86,arm)
Scanning device	Support
Modify IP	Support
Batch modify IP	Support
Generate topology map	Support
Refresh the topology	Support
SNMP scan	Support
SNMP + Ping scan	Support
LLDP protocol	Support
LLDP topology	Support
Customized topology	Support
User management	Support
Cross-routing	Support

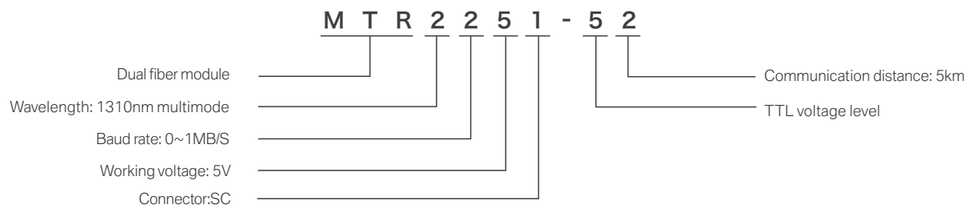
Accessories Selection

Accessories




Indutrial-grade Optic Moudle

◆ **The optic module naming example**



◆ **The module naming notes**

M× ×	×	×	×	×	×	-×	×	-×
Device category	**Transmit wavelength and mode**	**Baud rate**	**Working voltage**	**Connector**	**Power**	**Voltage level**	**Communication distance**	**Single transmit and single receive**
TB:single fiber module TR:dual fiber module TD:DFB module TN:rate asymmetric single fiber module TRR:dual receiving module TRT:dual transmit module SFP:SFP dual fiber module SFPB:SFP single fiber module	1:850nmmultimode /PINTIA 2:1310nmmultimode /PINTIA 3:1310nmsingle mode LD/PINTIA 4:1550nmsingle mode LD/PINTIA	1:0~200Kb/s 2:0~1Mb/s 3:0~10 Mb/s 4:84 Mb/s 5:155 Mb/s 6:200 Mb/s 7:622 Mb/s 8:1.25Gb/s 9:2.5 Gb/s 0:10 Gb/s	3:3.3V 5:5V	1:SC 2:ST metal 3:FC 4:Pigtail type 5:LC 6:ST plastic	Omitted: ordinary type A:low power type	1:PECL 2:LVPECL 3:LVDS 4:LVTTL 5:TTL	0:550m 1:2km 2:10km 3:20km 4:40km 5:60km-70km 6:80km-100km 7: Over 100km 8: Over 120km	Omitted:integrated transmit and sreceive T:single transmit R:single receive

◆ **Industrial grade gigabit SFP module list**

Recommended model	Port description			
	Single/multi-mode	Connector	Wavelength	Transmission distance
MSFP1835-20	Multimode	LC	850nm	0.55km
MSFP1835-20	Single mode	LC	1310nm	10km
MSFP3835-23	Single mode	LC	1310nm	20km
MSFP3835-24	Single mode	LC	1310nm	40km
MSFP4835-25	Single mode	LC	1550nm	70km

Fiber Patch Cord

Fiber patch cord is the fiber cabel with connector plugs both ends to realize jump connection of the fiber; One end is equipped with a plug, commonly known as tail fiber. With different types connector plugs at both ends, which is called bridge wiring.It is divided into single mode, multimode and data fiber types . The plugs are FC, SC, ST, MU and LC, and the end faces are PC, UPC and APC.

○ Main features

- Low insertion loss;
- Large return loss;
- Good temperature stability;
- Good repeatability;
- Good interchangeability;
- Applied to fiber communication system, fiber access network, local area network, fiber data transmission, fiber CATV and fiber testing equipment.

Optical Cable

○ Main features

- Good mechanical and temperature characteristics;
- The sleeve has good water resistance and high strength, which provides key protection for the optical fiber;
- Specially designed compact optical cable structure;
- Good compression resistance and softness;
- Double sided chrome coated plastic coated steel strip (PSP) improves the moisture resistance of optical cable;
- Two parallel steel wires ensure the tensile strength of the optical cable;
- Polyethylene (PE) sheath has good ultraviolet radiation resistance, small diameter, light weight and easy to lay;
- Working temperature: - 40 ℃ ~ 70 ℃;
- Suitable for pipeline, overhead and direct burial.

Fiber Terminal Box

It is used for the termination and fixation of optical cables, the fusion of optical fibers and pigtails, and the storage and protection of surplus fibers. It is a device with connection function in optical fiber communication lines. According to the installation mode, it can be divided into wall mounted and rack mounted models.

○ Main features

- The material is high-quality steel plate, and the surface is sprayed with plastic. The appearance is beautiful and solid;
- Large disk design;
- 2/4 cable inlets optional; Multiple fiber output modes optional;
- Rubber fiber outlet protection;
- Working temperature: -25℃~70℃;
- Withstand voltage strength: no breakdown and flashover under 15kV DC for 1min;
- Bending radius of optical fiber in storage tray: ≥ 40mm.

Flange Plate

○ Main features

Optical fiber flange (also known as optical fiber adapter) is used for docking between plugs of optical fiber movable connectors, and is a link component in optical fiber connection, such as FC and FC, st and St, SC and SC This is the engineering application. Widely used in optical fiber communication system, optical distribution frame (ODF), optical fiber data Network, optical fiber CATV and other projects.

INDUSTRY APPLICATION

While actively developing industrial Ethernet communication technology, Maiwe is vigorously developing wireless Internet of Things communication technology with 5G communication, aiming at the construction of existing basic resource networks such as substations, power supply stations, power distribution rooms, and transmission towers in the energy industry. There are problems such as lack of basic data, high cost of equipment operation and maintenance management, closed islands of various subsystems, and complicated deployment of access scenarios. The interconnection and mutual conversion of protocols such as serial port Modbus, industrial wireless and industrial cloud platform MQTT greatly reduce the cost of communication implementation and network management.

In recent years, with the implementation of carbon neutrality in China, the new energy industry, especially in the fields of wind power and photovoltaics, has improved the acceptance ability of wind power and photovoltaic precision grid connection through Maiwe Communication's industrial Ethernet communication technology without delay in real time. The high communication capability ensures the adjustment of the power supply structure of the power grid, improves the reliability of power supply of the power grid and the ability of safe and economic operation, provides favorable transmission and communication guarantee conditions, and has a great demonstration significance for the overall communication standard of the new energy industry in the

System Name

- Thermal Power Distributed Control System (DCS)
- Photovoltaic Power Generation Online Monitoring System
- Intelligent Substation Communication System
- Hydro Power Distributed Control System (DCS)
- Offshore/Onshore Wind Power Online Monitoring (SCADA)
- Photovoltaic Power Generation Data Acquisition System
- Transmission Online Detection System
- Substation Auxiliary Monitoring System

Related Products

MISCOM7212G-4GF-8GT

12-port Layer 2 full Gigabit network management industrial Ethernet switch

pages: 28

MISCOM8028G-4GF-8GC-16GT

28-port layer 3 full Gigabit rack mount switch

pages: 24

MISCOM7210-2GF

10-port layer 2 l Gigabit managed din rail switch

pages: 30

MISCOM7028-4GF

28-port layer 2 Gigabit managed rack mount

pages: 55

MISCOM6208

8-port layer 2 100M managed din rail switch

pages: 35

MIR785-W

Dual-band Gigabit Wi-Fi6 Industrial 5G Router

pages: 68

Smart city is a new model of urban development that is based on the combination of the Internet, Internet of Things, telecommunication networks, radio and television networks, and wireless broadband networks. It is characterized by highly integrated smart technologies, high-end development of smart industries and convenient smart services.

Building a smart city is the trend and feature of urban development in the world today. With years of experience in network application in multiple smart city sub-fields such as smart pipe gallery, smart security, and smart transportation, Maiwe has formed a complete smart city network solutions. Using the integration of edge computing, network communication and Maiwe cloud platform technology, the perception layer deployment of urban infrastructure facilities is carried out through industrial equipment networking terminals, Maiwe wireless industrial routing performs real-time monitoring of various service clouds, supplemented by MW-Ring industrial Ethernet, The switch networking technology finally aggregates various urban data back to the data platform through Ethernet wired or wireless communication, forming a strong endedged network-cloud collaboration capability.

System Name

- Integrated Pipe Gallery Solution
- Intelligent Elevator Monitoring System
- Smart Water Treatment Solution
- Smart Scenic Spot Solution
- Smart parking Lot Identification and Monitoring System
- Gas Pipeline Network Monitoring System Solution

Related Products

MISCOM8052G-4XGF-48GT

52-port layer 3 10G rack mount switch

pages: 23

MISCOM7212G-4GF-8GT

12-port layer 2 full Gigabit managed din rail switch

pages: 28

MISCOM7028G-4GF-8GC-16GT

28-port layer 2 full Gigabit managed rack mount switch

pages: 27

MIR675-W

Wall-mounted 4G Industrial Wireless Router

pages: 68

MIEN6220-4F

24-port layer 2 100M managed rack mount switch

pages: 34

MGT571

Seven-mode full Netcom 4G industrial wireless DTU

pages: 70

Smart rail transit is a unified operation and management platform that integrates modern information technologies such as big data, Internet of things, artificial intelligence, 5G communication, cloud computing and blockchain. With the goal of comprehensive perception, deep interconnection and integrated communication, it builds a unified operation and management platform that integrates passenger service, intelligent transportation, train operation, operation and maintenance safety management and other systems.

How to ensure the safe, stable, efficient and economical operation of rail transit is one of the important issues facing the rail transit industry. Networking means provides a wealthy of industrial interconnection communication application scenario solutions for the urban rail transit industry. In addition to fully supporting stable operation in harsh and changeable environments in terms of environmental adaptability, Maiwe communication equipment also supports accurate business transmission status awareness, reliable network link backup, and ring network storm. Advanced functions such as intelligent induction decoupling can ensure the long-term stable operation of equipment in the train environment. With Maiwe MAX-VIEW visual management platform , it can effectively ensure the low failure rate and online rate of equipment in each subsystem.

System Name

- Automatic Train control System
- Passenger Information System(PIS)
- Environment and Equipment Monitoring System
- Automatic Fare Collection System(AFC)
- Stray Current Monitoring System (SCMC)
- Railway Tunnel Environmental Monitoring System
- Vehicle-ground Wireless Communication System
- Integrated Supervisory Control System

Related Products

Admas8212G-M12-12GT

12-port M12 layer 3 full gigabit managed wall mount switch

pages: 53

MISCOM8028G-4GF-8GC-16GT

28-port layer 3 full Gigabit rack mount switch

pages: 24

ISM8120G-4GF-16GT

20-port layer 3 full Gigabit embedded switch module

pages: 59

Admas8012G-M12-12GT

12-port M12 layer 3 full Gigabit managed rack mount switch

pages: 53

MISCOM7212GP-4GF-8GTPOE

12-port layer 2 full Gigabit din rail POE switch

pages: 41

Mport3208-I

2 Gigabit Combo ports +16 RS232/485 serial ports rack mount Ethernet

pages: 74

Intelligent transportation ITS is a collection of high-tech means such as information technology, communication technology, sensing technology, and automatic control technology, which is comprehensively applied to transportation, road services, and vehicles. It is a large integrated system aiming at improving transportation efficiency, ensuring traffic safety, improving driving performance and transportation environment.

Maiwe Industrial Ethernet switches and industrial wireless communication terminal products are widely used in intelligent transportation information service systems. Maiwe's communication equipment has strong electromagnetic outdoor environment adaptability, can transmit text, image, voice, signal and other data through wired or wireless. Maiwe combines wireless fast roaming technology and communication integration to promote the combination of intelligent vehicles and intelligent roads, to create an intelligent vehicle-road coordination and reliable communication system. and ultimately help realize the scientific, intelligent and modernization of intelligent transportation.

System Name

- Highway Monitoring System
- Highway Tunnel Monitoring System
- Road Tunnel Monitoring System
- E-police System
- Highway Toll Monitoring System
- Traffic Signal Control System
- Traffic Information Collection and Guidance Release System
- Intelligent Bus System
- Highway Video Surveillance System

Related Products

MISCOM8028G-4GF-8GC-16GT

28-port layer 3 full Gigabit rack mount switch

pages: 24

MISCOM8028GX-20GF-8GC

28-port layer 3 full Gigabit SFP rack mount switch

pages: 24

MISCOM7028G-4GF-8GC-16GT

28-port layer 2 full Gigabit managed rack mount switch

pages: 27

MISCOM7212G-4GF-8GT

12-port layer 2 full Gigabit managed din rail switch

pages: 28

MIEN5205C

port layer 2 100M managed embedded switch

pages: 36

MIR685-W

Wall-mounted 5G industrial wireless router

pages: 68

Smart mines use information and communication technology to sense, detect, analyze, and integrate various key information in the core system of mine operation, so as to ensure safety, production, scheduling, automation, monitoring and monitoring, adaptive monitoring, personnel positioning, and 5G communication. The essence is to use advanced information technology to realize intelligent management and operation of mines, thereby creating a more secure working environment for mines and ensuring sustainable growth.

Maiwe industrial embedded communication solution is to solve the problems of low equipment interconnection, lack of data integration, and difficult equipment management in the current mining industry. With industrial Ethernet switches and industrial 5G communication + WIFI6 technology, combined with Intelligent sensing Internet of Things and other technologies deeply cover multiservice systems such as safety supervision and production, comprehensive centralized control, intelligent inspection, intelligent excavation and transportation, providing users with flexible implementation of the mine network, and finally realizing the mine safety elements stably Real-time

System Name

- Coal Mine Integrated Automation System
- Personnel Positioning System
- Mining Video Broadcast Communication System
- Compressed Air Water Supply Self-rescue System
- Mine Wireless Communication System
- Mining Safety Monitoring System
- Hazardous and Harmful Gas Monitoring System
- Coal Mine Power Monitoring System

Related Products

MISCOM8028G-4GF-8GC-16GT

28-port layer 3 full Gigabit rack mount switch

pages: 24

MISCOM7110-3GF-2F

10-port layer 2 Gigabit managed embedded switch with 4 serial ports

pages: 47

MIEN5105C

5-port layer 2 100M managed embedded switch with 2 data ports

pages: 49

MISCOM8028GX-20GF-8GC

28-port layer 3 full Gigabit SFP rack mount switch

pages: 24

MIR605-W

Din rail industrial WIFI wireless router

pages: 69

MISCOM8028GX-4XGF-16GF-8GC

28-port layer 3 10G full SFP rack mount switch

pages: 23

SMART FACTORY

Since China established the 2025 development plan, the construction of smart factory Industry 4.0 is one of the industry representatives, and the construction of the Internet of Things is a key component of smart factories. Maiwe adheres to the Internet of Things IoT+ Industry 4.0 strategy, and the Internet of Things construction in the basic implementation solution of smart factories can be implemented through industrial Ethernet switches and industrial wireless routers.

The whole process of network communication covers the interconnection of engineering, production, sales, distribution, and service. At the edge of the smart factory, the Maiwe MaxGate series industrial intelligent gateways are used to minimize the delay time from production data generation to response. At the data back end, Maiwe cloud technology supports MQTT and HTTPS protocols, Maiwe Cloud can provide users with more efficient and economical data storage and analysis solutions. MaxView cooperates with device SNMP management to provide an integrated solution of device MIB for device management and maintenance data of smart factory integrated platform. Easily help smart factories to quickly deploy and implement the entire network from the production side, supply chain side, sales side, and operation management.

System Name

- Petrochemical/metallurgical Centralized Control and Monitoring System
- Metallurgical MES Production
- System Smart Factory Automation Solution

Related Products

MISCOM7028-4GF

28-port layer 2 Gigabit managed rack mount

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MISCOM6208

8-port layer 2 100M managed din rail switch

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MISCOM6026-2F

26-port layer 2 100M managed rack mount switch

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MISCOM8028G-4XGF-8GC-16GT

28-port layer 3 10G full SFP rack mount switch

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MIGE2205G-GF-4GT

5-port layer 2 full Gigabit din rail switch

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MIR785-W

Dual-band Gigabit Wi-Fi6 industrial 5G router

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