

DESIGNED TO MEET RAILWAY REQUIREMENTS

- Platform solutions which can be modified to meet your application needs
- Full Integration service
- IRIS CERTIFICATION
- ISO / AWS CERTIFIED

YOUR PARTNER FOR ENCLOSING, PROTECTING AND COOLING RAIL TRAFFIC SYSTEMS

- Safeguard your system with Schroff products both standard and modified standard platform solutions.
- IRIS and ISO quality systems in place
- Project and life cycle management:
 - Original design concept
 - Prototyping
 - Testing & Certification
 - Serial production on a Global Footprint

CERTIFICATIONS LEGEND

- EN15085 / AWS welding certifications
- IEEE Std299-2006, IEC61587-3 EMC certifications
- EN50155 on board shock & vibration for subracks
- CENELEC EN50125-3, AREMA 11.5.1 track side shock & vibration for enclosures
- EN45545, low smoke zero halogen, tunnels and on board

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RAILWAY TECHNOLOGY OVERVIEW
ON BOARD & TRACKSIDE CERTIFIED PARTNER

PENTAIR SOLUTIONS FOR EACH ENVIRONMENT

INDOOR - OUTDOOR - ON BOARD



GSM-R



Ruggedized card retention up to 40G



On board Cabinet 10-40U
Space saving swing frame option



Space saving mounting frame
for subrack system.



European Train Control System /
Vehicle On Board Computer



Conducted cooled With IP65
Integrated PSU & CPCI Backplane
also communication BUS, also
available to AAR specification

ONBOARD

Cabinet:

EN15085, EN45545 in progress.
EMC IEEE Std 299-2006, IEC 61587-3,
up to IP55.

Subrack:

EN50155, wide T° range -40°C /
+ 85°C, -40°F / +185°F, dimension
IEEE1101.11, BN411003, NF 61005,
EN45545

Wallmount:

EN15085/AWS, EN45545.



Interlocking Trackside CPCI



Smart cooling fan tray



Signalling & Passenger
information systems

TRACKSIDE INDOOR

Cabinet:

Cenelec EN50125-3 & Arema 11.5.1
Class C for Shock and Vibration
EN15085/AWS, LSZH (Tunnel).
EMC IEEE Std 299-2006, IEC 61587-3,
up to IP55. Cooling options include:
passive and active.

Wallmount:

EN15085/AWS, EN45545, Door
Opening up to 180° with locking.
Wall and Pole mount.
Aluminium, Mild and Stainless Steel.
Cooling options include: passive
and active.

TRACKSIDE OUTDOOR

Cabinet:

IP55, Outdoor paint LSZH.
Single or double walled construction.
Solar load protection.
Rain protection for maintenance.
Cooling options include: passive
and active

Wallmount:

EN15085/AWS, EN45545, Door
Opening up to 180° with locking latch.
Wall and Pole mount options available.
Aluminium, Mild and Stainless Steel.
Cooling options include: passive and
active.



Power distribution & High voltage
detection



Wi-fi, Access point, Fiber splicing,
Wall & Pole mount options, Full
Integration Service



Axle counter, zone controller,
wheel T°, track maintenance,
interlocking.

