

TRCP 5207

Train Radio Control Panel



TRANSPORTATION SOLUTIONS

Modern, reliable and intelligent radio solution platform for rolling stock applications built on proven and popular TETRA & LTE Standard.



FEATURES



Integrated Design

Integrated, compact design with optional modules such as LTE/WIFI



Proven Platform

Based on Linux Long Term Support [LTS]



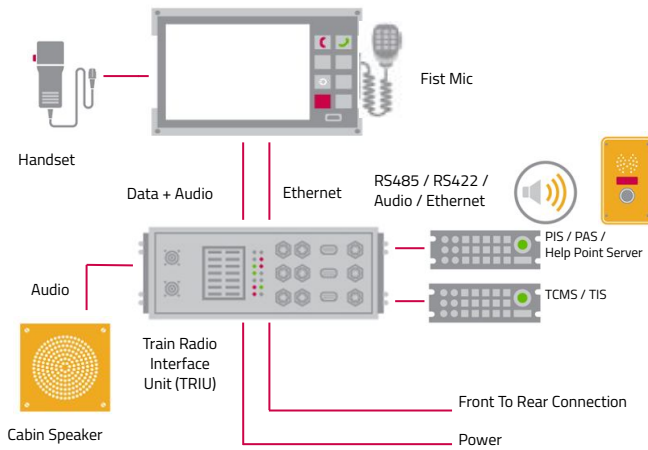
Configurable Hardware Keys

Configurable hardware keys for critical functions



Easy Software Logging & Upgrades

Suitable interfaces for easy access to software logs and upgrades



Train Radio Control Panel TRCP 5207 is a Touchscreen Human Machine Interface, typically installed in the driver cabin and provides the train pilot with call functions like Group Call, Half Duplex Individual Call, Full Duplex, Individual Call, Emergency Call, Broadcast Call, Passenger announcements into the Train, Text Messaging and Functional Registration. TRCP 5207 is fully IP based and provides a secure network architecture offering high level of security and integrity. TRCP provides highest levels of reliability and environmental standards for the transportation industry. Depending on client specific requirements, the TRCP can be customized for key layout, Graphical User Interface (GUI) and onboard integrations.

TECHNICAL SPECIFICATIONS

Processor Specifications	Freescale™ i.MX6 800MHz Quad Core ARM® Cortex™ -A9 SoC
Display	7.0" TFT, 800*480 pixels
Keypad	Membrane, 10 Keys (Maximum)
Electrical Specifications	12 V (±10% V), 2 A
Mechanical Specifications	Dimensions- 257.5 x 148.8 x 57 (in mm) Weight – 1540 g Form Factor: Vertical or Horizontal
Environmental Specifications	Temperature- -40°C to +85°C Humidity 5 to 95 % RH IP rating – IP65

Operating System	UBUNTU LTS [20.04 Focal Fossa]
MCX Standard	MCPTT Release 15 MCDATA Release 15
Compliances	3GPP Release 12+QCI [Optional]
Accessories	Handset, Fist Microphone (standby)
Interfaces	GbE Ethernet Port RS232 Serial Port Mini USB 2.0 Port
Cellular Connectivity	LTE 4G / 5G [Optional]

FEATURES

Type of Calls	Groups Calls, Full Duplex Calls, Half-Duplex Calls, Emergency Calls, Request To Talk [RTT]	User Access	Log On /Log Off, Configurable Menu
Identification	Talking Party Identification, CLIP	Priority Levels	MCPTT, MCDATA QCI Support [Optional] 5 Priority Levels
Compliances	EN 45545 EN 50155/IEC 60571/EN 50121 EN 61373:2010 EN 50128	Default Groups	Mainline, Depot, Shunt, Train
Modes of Operation	Primary [Active Cabin] Rear Connection [Redundancy]	Services	Passenger Announcement, Alarms, Alerts, Messages, Logs