TRCP 5205

Train Radio Control Panel

CONSORT

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

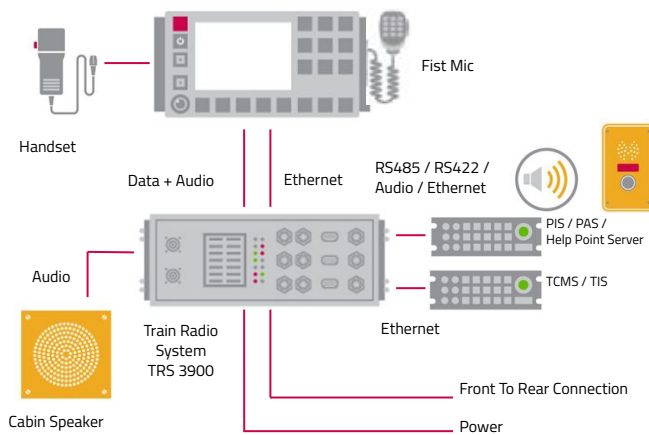**Proven Platform**
Based on Linux Long Term Support [LTS]

Configurable Hardware Keys
Configurable hardware keys for critical functions

Easy Software Logging & Upgrades
Suitable interfaces for easy access to software logs and upgrades

Handset
Fist Mic
Data + Audio
Ethernet
RS485 / RS422 / Audio / Ethernet
PIS / PAS / Help Point Server
Audio
TCMS / TIS
Train Radio System TRS 3900
Ethernet
Cabin Speaker
Front To Rear Connection
Power

Train Radio Control Panel is a 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.

This system 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 Dual Core ARM® Cortex™ -A9 SoC	Operating System	UBUNTU, Version Bionic 18.02
Memory Options	SD Card [32GB] MSATA [128GB]	TETRA Interface	RS232, TETRA Peripheral Equipment Interface (PEI)
Display	5.0" TFT, 800*480 pixels, 262K colors	Compliances	TETRA - ETSI EN 300 392 MCPTT - 3GPP Release 15
Keypad	Membrane 32 Alphanumeric Keys (Maximum)	Mechanical Specifications	Dimensions- 257.5 x 148.8 x 57 (in mm) Weight – 1540 g
Interfaces	GbE Ethernet Port USB 2.0 OTG Port up to 480Mbps RS232, RS485/RS422 Serial Port Mini USB 2.0 Port	Electrical Specifications	12 V (±10% V), 3.5 A
Accessories	Handset, Fist Microphone (Standby)	Environmental Specifications	Temperature- -40°C to +85°C Humidity –20% to 90% IP rating – IP65

FEATURES

Type of Calls	Groups Call, Full Duplex Call, Half-Duplex Call, Emergency Call, Request To Talk [RTT], Broadcast Call	Onboard Integration	Passenger Announcement/Information, Passenger Emergency, RST Alarms, Onboard Signalling
Data	Short Data Service [SDS], Status	User Access	Log On /Log Off, Configurable Menu, Settings
Priority Levels	15 (TETRA) / 5 (MCPTT)	Identification	Radio ID, Train ID, Group ID Talking Party Identification, CLIP
Modes of Operation	Trunked Mode Operation [TMO] Direct Mode Operation [DMO]	Default Groups	Mainline, Depot, Shunt, Train

For more information visit
www.consortdigital.com

Products and services are continually improved. Specifications and features are subject to change without notice.