



Autometers Alliance Ltd

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MAIN CONTROLLER UNIT



Main Controller Unit is heart of the complete Public Address / Passenger Information System (PA / PIS). This unit is housed in standard Euro Card Frame. This unit is generally fitted in each Driving Trailer (DT) car of the train.

Technical Features

Basic functionality of the main controller unit is described as under:

- Integrated unit to drive and control public audio system, passenger information display system and CCTV surveillance system.
- Duplication of critical functions for redundancy.
- Automatic switch over between master and slave MCUs over Ethernet link.
- Interface with third party On-board signaling system, Train Information management system, Radio System over Ethernet LAN or Serial Link.
- Connectivity with LED and TFT panels over Ethernet LAN or Serial Link.
- Audio Broadcasting over IP.
- Audio Recording of all live announcements and passenger emergency communications and real time train data received from signaling system (ATO / ATP / ATC).
- Data Logging of all of the events and equipment status.
- Provision to play Music content.
- General purpose Input Output (GPIO) to interface with other sub-systems.
- 110V DC (typical) operating voltage.
- Web based maintenance and configuration tool which can be accessed via wired, wireless interface and upgradable to internet.

Technical Specifications

- Route data base storage in MMC card
- Application software storage in SD card
- Acts as a system controller
- 19" rack compatible enclosure
- Interface with train data bus for audio & control functions
- Interface with Train Radio, Train Information Management System Automatic Train Controller (ATC), Automatic Train protection (ATP), Automatic Train Override (ATO) and other external inputs
- Automatic Master/ Slave configuration through driver key
- Approximate Mechanical Size: 280 mm (W) × 266 mm (H)
- Weight: 11 Kgs (approx.)