

Driver Display Unit for Railway Applications



“The display unit DD-R18A1 is a sturdy and compact display unit designed for railway applications. It is suitable for use as machine display to carry out diagnostics, monitoring and control on mobile vehicles. Fully indigenous & customizable for specific applications.”



Intelligent display unit for mobile applications with 10.4" LCD display & touch screen

Intel based CPU board working at 1.66 GHz or higher with Microsoft operating system

Used as Driver Display in Train for monitoring various parameters of the traction system, via MVB interface

Windows based application program to enable user configuration, control and to make traction system data available to the Driver

Acts as a user interface between the Driver / Guard / Maintenance personnel and the traction System

Operates on standard power supply (110V DC) in train, with required protection mechanisms



SYSTEMS AIDS

13, 9TH MAIN ROAD, 1ST STAGE, HENNUR
BANASWADI LAYOUT, KALYAN NAGAR
BENGALURU - 560 043 INDIA

INDUSTRIAL ELECTRONICS & COMMUNICATION

Driver Display Unit for Railway Applications

PRODUCT SPECIFICATIONS

NO.	CHARACTERISTIC	SPECIFICATIONS
1	Processor	Intel Atom E384, working at 1.91 GHz
2	Memory	up to 8GB DDR3L 1066 / 1333MHz SDRAM
3	Storage	One miniature serial ATA (mSATA) of 8GB
4	Display	VGA, HDMI/DVI and 24-bit LVDS interfaces 10.4" TFT-Display, VGA 640 x 480 LED-Backlight
5	Expansion interface	PC/104-PLUS and miniPCIe
6	User interface / Keyboard	Resistive touch screen on front panel 3 keys on front panel – ‘A’, ‘+’, ‘-’, for brightness control
7	Electrical interfaces	2 RS-232 port 1 RS-422/485 port 6 USB 2.0 ports 1 Ethernet MVB port
8	Connector interfaces	Power 3 pin D-Sub Connector Com1-Com3 9 pin D-Sub Male MVB – In 9 pin D-Sub Female MVB - Out 9 pin D-Sub Male Audio 9 pin D-Sub Male Ethernet 9 pin D-Sub Female
9	Power supply	Wide range power supply 60 – 160V DC (~ ± 40%)
10	Sensors	Light sensor for automatic brightness control Temperature sensor for thermal shutdown
11	Operating temperature	EN50155
12	Operating system	Windows embedded
13	Application software	Menu driven, user friendly software providing status information about sub-system, high voltage, I/O signal (analog + digital), traction & auxiliary converter, traction motor, braking system, energy monitoring, temperature, pressure, etc.
14	Environment standards	EN 50155, IEC 60571, IEC 61000, IEC 61373, IP-65
15	Mechanical enclosure	Dimensions (L x W x H) = 310 x 214 x 100 mm Aluminium bezel Stainless steel enclosure
16	Other options	5 extra keys on front panel – HOME, BACK, UP, DOWN & ENTER for manual screen selection



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