PRISM - Features

- Rugged MIL grade display
- 10.1"/7 "TFT Display
- 4:3 Aspect Ratio,
- Digital Inputs/Outputs Interface
- Resistive/Voltage Inputs Interface
- GPS Interface
- Input Supply: 18-36 VDC
- TFT LCD - 16-bit color
- Resolution: 1024 x 768 (WVGA)
- Surface: print/glare-free glass
- Viewing Angle: ±65° Horizontal, +55°/-65° Vertical
- Landscape or portrait
- Operating Temperature: -20 deg C to + 70 deg C
- Storage temperature: -30 deg C to + 80 deg C
- Humidity: 95% at +40 dec C
- Protection: IP 66 and 67
- Shock: ±50G in 3 axes
- Vibration: 7.86 g (5-2000 Hz)
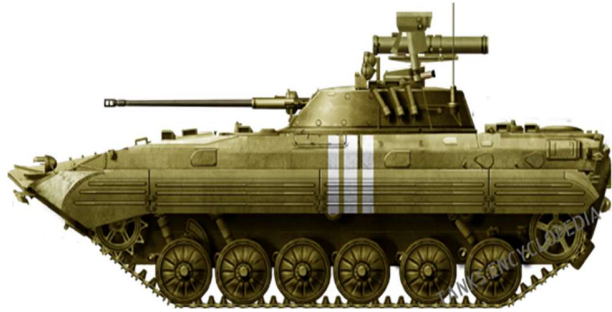- EMI EMC Complied

Programmable Rugged Intelligent Stand-alone Monitoring Unit

The PRISIM 101 rugged display is a full-featured, configurable display that shows integrated engine data in graphical, alpha numeric forms for easy operator interface. Equipment functionality can be further integrated through the available I/O and controlled via the CAN bus. The RDU101 features a full-color, 10.1"/7 "-inch bonded LCD for brighter, smoother graphics and best-in-class sunlight readability. The rugged design makes this display a great solution for extreme environments.

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Technical Specifications

Display: Bonded print/glare-free glass color transmissive TFT LCD
Backlighting: LED, 1000 nit typical brightness 40,000 hr. minimum
Contrast Ratio: 400:1
Refresh Rate: 60 Hz
CPU: iMX 6 based SBC
Flash Memory: 4 GB
DDR4: 4GB
Operating Voltage: 18-36 VDC, reverse polarity protected
Video Inputs: HDMI
Keyboard: 10 tactile pushbuttons with white LED backlight
USB: (1) USB 2.0 host (full speed)
Real time clock: with Li-ion rechargeable battery backup

Communications:
• (2) CAN 2.0B & RS4855
• (1) USB host
• (1) RS 232 Serial Port
Front panel keyboard:
• (6) Rugged switches for navigating screens and entering settings for parameters.

Field Outputs:
• (16) Potential Free Contacts
Field Inputs:
• (5) Analog: 0-24 VDC
• (5) Analog: 0-10 k ohms Resistive
• (20) Discrete Inputs

Mechanical
• Dimensions: 8.37 x 6.0 in. (212.5 x 152.3 mm) landscape
• Unit Depth: 3.57 in. (90.8 mm)
Case Material: PC/ABS, ISO 3795 (SAE J369, FMVSS 302) rated
• **Mounting Options:** Front mount, back mount

Software

• Operating System: Embedded Linux
 • Customized Graphical User Interface (GUI)
• Data Acquisition with engineering units
• Alarm and Alerts as per user defined set points

Contact Us

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