

ROC-SOLID

RUGGED OPERATIONS DISPLAY

MDP-1001

10.4" Rugged Operations VDU

Take advantage of ROC-SOLID's rugged credentials with the MDP-1001. This rugged, low power visual display unit designed for optimal readability and usability within tracked and wheeled armoured vehicles. Featuring 16 user configurable secure touch function keys, integrated mouse pointer and left/right select keys, the MDP-1001 sets the standard for cost effective MIL-SPEC VDUs. Available in 550 nits and 1200 nits brightness options, the 1024 x 768 4:3 ratio screen comes with integrated optically bonded multi-point touch screen.



Features of the MDP-1001

- Wide Range Input Voltage Fully Compliant to MIL-STD-1275D
- MIL-STD-810E Qualified
- Optimal Low Power and High Performance
- Low Maintenance
- Panel and VESA Mount Compatible

Configurable with a range of mounting options the MDP-1001 can fit into confined vehicle cabins or a variety of mobile or static ground based situations. IP67 ingress protection with a selection of 550 or 1200 nits brightness screens means the MDP-1001 can be utilised in open top or enclosed armoured vehicles. Secure touch function keys and the integrated point and select device means easy operation of critical functions, even when traversing the most difficult of terrain under extreme pressure, with or without gloves.

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Specifications:

Product Specifications:

Backlight Intensity	550 nits Backlight Brightness (1000 nits optional)
Native Resolution	1024x768 XGA
Aspect Ratio	4:3
Multi-Point Touch Screen	Optically Bonded
Viewing Angle	+/-45 degrees viewing angle (horizontal and vertical)
Contrast Ratio	750:1
Monitoring	Critical Control Voltages, Temperature
Power Status	3 State LED
Dimensions	270W x 280H x 75D

Input / Output Connections:

Video	1 x VGA Input
Power	1 x DC Power Input
USB	USB 2.0 Port

Power Specifications:

Power Supply	6-36VDC Wide Range Input MIL-STD 1275A
Power Consumption	20W max

User Controls:

HMI	Multi Point Touch Screen
Power CTRL	Remote On/Off Interface to CPU
Function Keys	16 x User Configurable Function Keys
Night Mode	Backlight Day / Night Select
On Screen Display Menu	Touch Screen On/Off
	Brightness Control
	Contrast Control
	Horizontal / Vertical Position
Integrated Mouse	Integrated Point and Select Device

Environmental Qualifications:

Interface Connectors	MIL-SPEC (can be configured upon order)
Operating Temperature	-10°C to +55°C (MIL-STD-810G)
Storage Temperature	-20°C to +70°C
Humidity	+30°C to +60°C at 95% Humidity (MIL-STD-810G)
Vibration	MIL-STD-810E Method 514.4 Tracked Vehicle
Shock	MIL-STD-810G 40g in 11ms, 3 Axis
Ingress Protection	IP65, MIL-STD-810G 20mm/hr Rain Operating
EMI / EMC	C Tick and MIL-SD-461E
Salt Fog	MIL-STD-810G
Sand and Dust	MIL-STD-810G

Accessories:

ROC-i7-MMC (Intel i7 Multi Mission Computer)
Mounting Brackets and Adaptor Plates