

# ROC-SOLID

## RUGGED OPERATIONS DISPLAY

### MDP-1502

### 15" Rugged Operations VDU

ROC-SOLID is proud to introduce the next generation of MIL-SPEC VDUs. On the back of years of reliable operation in the Australian Armed Forces, the all new MDP-1502 is the pinnacle of cost effective MIL-SPEC displays. This rugged, low power visual display unit has been designed for optimal readability and usability within tracked and wheeled armoured vehicles, naval vessels and UAV control stations. Featuring rugged IP67 construction and 16 user configurable secure touch function keys, the MDP-1502 is not only designed by ROC-SOLID, but completely manufactured in our own Australian vertically integrated factory, meaning direct process control and cost effective manufacturing. Available in 400 nits and 1000 nits brightness options, the 1024 x 768, 4:3 ratio screen comes with an integrated optically bonded multi-point touch screen.



### Features of the MDP-1502

- 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
- 2 x USB 2.0 Ports

Configurable with a range of mounting options the MDP-1502 can fit into confined vehicle cabins, exposed naval consoles and UAV ground station consoles. IP67 ingress protection with a selection of 400 or 1000 nits brightness screens means MDP-1502 can be utilised in open top or enclosed armoured vehicles. Secure touch function keys means easy operation of critical functions, even when traversing the most difficult of terrain under extreme pressure, with or without gloves.



## RUGGED OPERATIONS DISPLAY

### Specifications:

#### Product Specifications:

Backlight Intensity	400 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	700:1
Monitoring	Critical Control Voltages, Temperature
Power Status	3 State LED
Dimensions	340H x 450W x 85D

#### Input / Output Connections:

Video	1 x DVI-D Input
Power	1 x DC Power Input
USB	2 x USB 2.0 Ports

#### Power Specifications:

Power Supply	6-36VDC Wide Range Input MIL-STD 1275A
Power Consumption	25W 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

#### 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



Quality  
ISO 9001  
SAI GLOBAL