

ROC-SOLID

RUGGED OPERATIONS COMPUTER

19" Display

The ROC-SOLID 19" Display is an off-the-shelf product specifically designed and developed for industrial and military applications where system integrity and reliability is of paramount concern. This product offers:

- High brightness 19" TFT display
- Analog VGA and DVI video inputs
- Auto Source Seek mode
- OSD Menu
- Optional Touch Screen
- Solid aluminium housing
- Lightweight
- VESA, Panel or 19" Rack mountable options available

These features make this product ideal for applications including, but not limited to Factory Automation, Rail, Mining and Mineral processing, Marine, Kiosk and Military Land, Sea and Air.



Specifications

Display Specification:

Native Resolution	1280 x 1024
Aspect Ratio	5:4
Backlight Intensity	750 Nits (Brightness Control at Maximum)
Pixel Pitch	0.294(H) x 0.294(V)
Contrast Ratio	1000:1
Response Time	5ms (Typ)
Viewing Angle	+/-85 deg Left/Right & +/-80 deg Up/Down
Active Display Area	376.32 (H) x 301.06 (V)
Max Colours	16.7M

Display Functions:

Input Source Selection	Input Analog RGB, DVI or Auto Source Seek mode
Wide Screen Mode	Selectable input mode (1280/1360/1366/1368)x768
Brightness and Contrast	Increase/decrease brightness level
Colour Adjust	RGB Colour level, Colour temp & Gamma adjustment
Position Adjust	Horizontal and Vertical, Frequency, Phase and Auto Setup
OSD setting adjustment	OSD timeout, horizontal and vertical adjustment
Factory Defaults	Initialize defaults stored in non-volatile memory
Sharpness Adjust	Adjust sharpness level +/-

Interface Connections:

DVI-D	DVI-D Female
Analog VGA	DE-15 Female
Power	Pluggable terminal block: Phoenix FRONT-GMSTB2.5/2-STF-7.62

Power Specifications:

Power Supply Ultra Wide	9-36VDC 75W input
Power Consumption	Operating DC: 40W (max)* *Max Backlight

User Controls:

Power	Turns unit on or off
Brightness +/-	Controls backlight brightness (+/-)
Menu	Toggle OSD menu, or up one menu level
Up	Highlight option above
Down/Enter	Highlight option below, or select
Left	Highlight option left, or decrease value
Right	Highlight option right, or increase value

Mounting Options/Specifications:

VESA Mount :	423x395x68mm VESA M4 100mm x 100mm (MIS-D,100) (Thickness 64mm without VESA adaptor)
Flange Mount :	455x425x64mm - Cutout 428x400mm. 17mm Max panel thickness.
Rack Mount :	19" Rack 9U - 482x398x64mm

Environmental Considerations:

Operating Temperature	-5 to 55°C
Storage Temperature	-20 to 80°C
Humidity	0-95% non-condensing
IP Rating	IP65 Front IP54 Rear
Shock	IEC 60068-2-27 (15G, 11ms Half sine)
Vibration	5-500Hz @ .5g acceleration
EMC	EMI rating AS/NZS CISPR 22, EN 55022 and C Tick

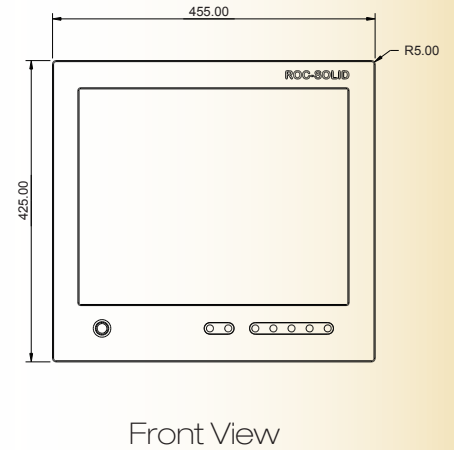
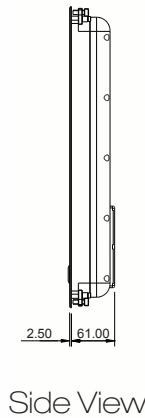
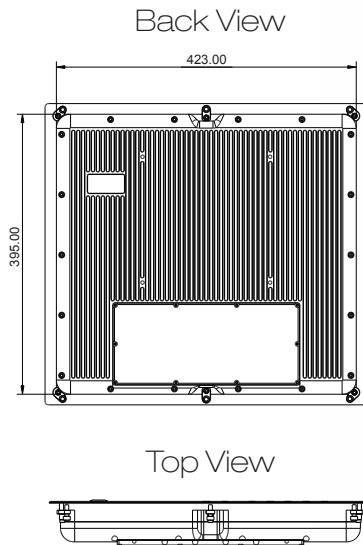
Optional Upgrades:

5-wire GFG Touch	High strength Glass-Film-Glass Touch Panel
------------------	--

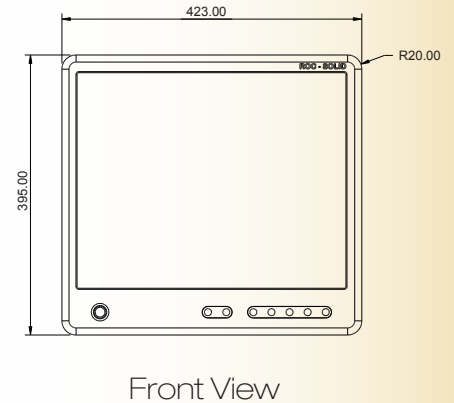
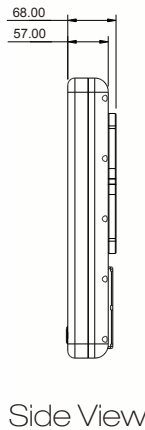
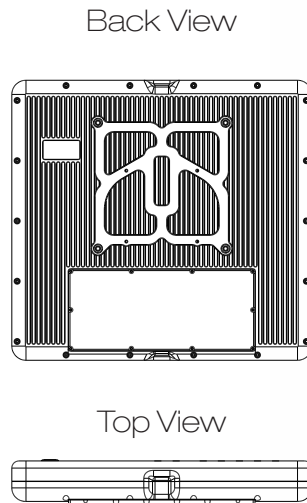
Optional Touch Panel Features:

Operating Temperature	-25 to 85°C
Interface	Bi-directional RS-232 Serial Communication USB 1.1 Full Speed
Resolution	2048 x 2048
Response Time	Max 20 ms
MTBF	200,000 hrs

19" Flange Mount



19" VESA Mount



19" Rack Mount

