

RM6380

20.1 inch 1600 x 1200 LCD panel with VGA + DVI-D video input, ITO glass protection, and MIL-STD-810G / 461E compliance in a 9U high rackmount enclosure.

- ▶ 9U 20.1" rugged military rackmount LCD monitor
- ▶ Supports 1600 x 1200 pixel resolution
- ▶ 300-nit brightness, option for 1000-nit high brightness
- ▶ VGA + DVI video input, option for DP, HDMI, or BNC input
- ▶ ITO glass, option for Resistive or Capacitive type touch screen
- ▶ Option for dimming light sensor and optical bond
- ▶ MIL-STD-810G environmental & MIL-STD-461E EMC compliant
- ▶ Extended working temperature range from -15°C to 55°C
- ▶ AC power input with D38999 MIL-type connector



Description

The RM6380 is a 20.1" rugged military rackmount LCD featuring 1600 x 1200 resolution, 300-nit brightness, VGA + DVI video input, and a 9U high rackmount enclosure. The enclosure is designed to comply with MIL-STD-810G environmental and MIL-STD-461E EMC testing standards. The display comes with a metal ruggedized housing designed to fit into a standard 19" rack cabinet. Optional upgrades include touch screen technology, 1000-nits high brightness display, dimmer light sensor, optical bonding, additional video inputs, -20°C to 60°C wide working temperature range, and D38999 power input.

Technical Specifications

SPECIFICATION	VALUE
Material	Heavy-duty steel
LCD Panel	Size: 20.1 inch Resolution: 1600 x 1200 Brightness (cd/m ²): 300, option for 1000-nit Contrast Ratio (typ.): 1000:1 Active Area: 408.0 H x 306.0 V Pixel Pitch (mm): 0.255 H x 0.255 V Viewing Angle (H/V): 176° x 176° Color: 16.7M, 8 bits Scan Frequencies: Horizontal 31.5 ~ 80.0KHz

Specifications subject to change without notice.

	Vertical 65 ~ 75Hz
LCD Protection / Touch Screen (Option)	ITO glass for EMI protection (standard) Option for 5-wire Resistive type touch screen with no ITO glass Option for Capacitive type touch screen with no ITO glass
Video Input	VGA + DVI input Option for DP, HDMI, HDMI w/ speaker, BNC, or Speaker-Audio input
Front Panel Controls	On-screen display (OSD) buttons LED indicators for signal input
Light Sensor (Option)	Dimming light sensor
Optical Bonding (Option)	Optical Bonding
Connectors	1 x VGA + 1 x DVI 1 x DP (option) 1 x HDMI (option) 1 x BNC (option) 1 x 3-pin D38999 power connector
Power Supply	AC power input with D38999 MIL-type connector Option for D38999 9~36V DC power input or D38999 AC power input
Gross Weight	24.25 lb / 11 kg
Dimension	19"(W) x 15.71"(H) x 3.35"(D)
Environmental	Operating Temperature: -15°C to 55°C Storage Temperature: -30°C to 70°C Humidity: 10 to 95%, non-condensing Shock: MIL-STD 810G Method 516.6 compliant Vibration: MIL-STD-810G Method 514.6C-3 Procedure I compliant Humidity: MIL-STD-810G, Method 507.5-7 compliant EMC: MIL-STD-461E, CE102, RE102 compliant Option for -20°C to 60°C wide range working temperature

Available Configurations

LCD monitor

- 20" 1600 by 1200 LCD panel with ITO EMI filter and optical bonding
- 20" 1600 by 1200 LCD panel with Resistive type touch screen - (5 wire / USB) and optical bonding

Video Input

- VGA + DVI-D
- VGA + DVI-D + HDMI W/speaker
- VGA + DVI-D + BNC

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Contact us at info@acnodes.com or call (909) 597-7588

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