

IP12L630-M2-WT-5RT

12.1", 1024 x 768 XGA, Wide Temperature Range Monitor with Five-Wire Resistive Touchscreen and VGA Port



Introduction

The AIS 12.1" wide temperature range monitor is fully-integrated, off-the-shelf unit (COTS) that combines five-wire resistive touch technology in an industrial-grade LCD flat panel, with a sleek and flat front surface industrial design. These displays provide reliability, durability, and expected longer product life. The rugged all steel frames and glass front surface provide the durability needed for demanding harsh environments. AIS rugged monitors support a wide operating temperature range of -20°C to 55°C (-4°F to 131°F), with front sealed designs providing advanced NEMA 4/ IP65 protection.

Specifications

Display	
Display	12.1" diagonal, Active matrix TFT LCD
Aspect Ratio	4:3
Active/Area	245.76(H) x 184.32(V) mm
Native (Optimal) Resolution	1024 x 768
General Supported Resolution	VGA 640 x 480 (60/66/70/72/75 Hz) SVGA 800 x 600 (60/70/72/75 Hz) XGA 1024 x 768 (60/70/75 Hz)
Colors	262K/16.2M
Brightness (Typical)	LCD Panel: 500 nits Resistive Touch: 400 nits
Contrast Ratio	700:1
Viewing Angle	Horizontal: 160° Total Vertical: 140° Total
On-Screen Display (OSD)	Controls (back): menu, up, down, select, power Settings: contrast, brightness, H/V position, RGB (color temp), clock, phase, recall
Input Video Format	Analog VGA

Features and Benefits

- Supports a wide operating temperature range of -20°C to 55°C (-4°F to 131°F)
- Robust display technologies provide integration and design flexibility
- Exceptional quality and highly engineered industrial monitors
- Delivers drift-free operation for a lifetime of 35 million finger touches
- All steel construction designed for harsh and industrial environments
- Panel and VESA mount display, easy-to-install
- Supports Windows Embedded and Linux operating systems

Input Video Signal Connector	Mini D-Sub 15-Pin VGA Type, S-Video, Composite
Touch Technology	Resistive (USB (Type-B): Touch Interface)
General	
Power Consumption (Typical)	20W
MTBF	50,000 Hours Demonstrated
Mounting Options	75 mm VESA Mount
Input Voltage	AC: 100-240 VAC, 50/60 Hz DC: 12.0 V±10%
Environmental Conditions	
Temperature	Operating: -20°C to 55°C (-4°F to 131°F) Storage: -20°C to 60°C (-4°F to 140°F)
Humidity (Non-condensing)	Operating: 20%-80% Storage: 10%-90%
Approvals	
Approvals	CE, FCC (DOC)

Order Information

IP12L630-M2-WT-5RT: 12.1" Wide Temperature Range Monitor with Five-Wire Resistive Touchscreen, 1024 x 768 XGA, 700:1 contrast ratio and VGA Port

Unit: mm

