

OF12L630-M2-HB-5RT

12.1", 1024 x 768 XGA, High Brightness Touch Monitor with Five-Wire Resistive Touchscreen and VGA Port



Introduction

The AIS 12.1" industrial high-bright touch monitor delivers enhanced performance from a professional-grade panel, 1,000 nits brightness and 1,000:1 contrast ratio for demanding outdoor applications and environments heavy with ambient light. These are designed various applications, and excels in high ambient light environments where standard display panels could "wash-out" or look dim. This high-performance monitor withstands a wide operating temperature range and provides optimal viewing as lighting conditions change from demands of outdoor kiosks and digital signage applications.

Specifications

Display	
Display	12.1" diagonal, Active matrix TFT LCD
Aspect Ratio	4:3
Active/Area	246.0 (H) x 184.5 (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	262,144 (6bits/color)
Brightness (Typical)	LCD Panel: 1,000 nits Resistive Touch: 800 nits
Contrast Ratio	1000:1
Viewing Angle	Horizontal: 178° Total Vertical: 178° 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 high-bright range from 1,000 to 1,500 nits brightness
- The LED backlight enables optimal viewing in all lighting conditions
- Robust display technologies provide integration and design flexibility
- Delivers drift-free operation for a lifetime of 35 million finger touches
- All steel construction designed for harsh and industrial environments
- Open Frame or chassis 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 Rear mount through bezel or with included standard mounting brackets
Input Voltage	AC: 100–240 VAC, 50/60 Hz DC: 12.0 V±10%
Environmental Conditions	
Temperature	Operating: 0°C to 40°C (32°F to 104°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

OF12L630-M2-HB-5RT: 12.1" High Brightness Touch Monitor with Five-Wire Resistive Touchscreen, 1024 x 768 XGA, 1000:1 contrast ratio and VGA Port

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Dimensions

Unit: mm

