

CH15T630-A1-TR-5RT

15", 1024 x 768 XGA, Sunlight Readable Touch Monitor with Five-Wire Resistive Touchscreen, VGA and DVI Ports



Introduction

The AIS 15" industrial sunlight readable touch monitor delivers enhanced display performance from a professional-grade transreflective liquid crystal display for demanding outdoor applications and environments heavy with ambient light. These monitors are designed for a multitude of applications, and excel 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	15.0" diagonal, Active matrix TFT LCD
Aspect Ratio	4:3
Active/Area	304.128 (H) x 228.096 (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	16.2M (6 bits + FRC)
Brightness (Typical)	LCD Panel: 610 nits Resistive Touch: 488 nits Outdoor Readability: Ambient light(nit): 15,000/30,000/80,000 Brightness gain (nit): 500/620/990
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

Features and Benefits

- High performance transreflective liquid crystal display
- 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
- Chassis or VESA mount display, easy-to-install
- Supports Windows Embedded and Linux operating systems

Input Video Format	Analog VGA, DVI-D
Input Video Signal Connector	Mini D-Sub 15-Pin VGA Type, DVI-D Connector, S-Video, Composite
Touch Technology	Resistive (USB (Type-B): Touch Interface)
General	
Power Consumption (Typical)	35W
MTBF	50,000 Hours Demonstrated
Mounting Options	100 mm or 75 mm VESA mount
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

CH15T630-A1-TR-5RT: 15" Sunlight Readable Touch Monitor with Five-Wire Resistive Touchscreen, 1024 x 768 XGA, 700:1 contrast ratio, VGA and DVI Ports

Unit: mm

