

CH19L340-A1-TR-5RT

19", 1280 x 1024 SXGA, Sunlight Readable Touch Monitor with Five-Wire Resistive Touchscreen and VGA and DVI Ports



Introduction

The AIS 19" industrial sunlight readable touch monitor delivers enhanced display performance from a professional-grade transfective 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	19.0" diagonal, Active matrix TFT LCD
Aspect Ratio	16:9 (Widescreen)
Active/Area	376.32 (H) x 301.06 (V) mm
Native (Optimal) Resolution	1280 x 1024
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) SXGA 1280 x 1024 (60/70/75 Hz)
Colors	16.7M (8bits/colors)
Brightness (Typical)	LCD Panel: 500 nits Resistive Touch: 400 nits Outdoor Readability: Ambient light(nit): 15,000/30,000/80,000 Brightness gain (nit): 500/620/990
Contrast Ratio	1000:1
Viewing Angle	Horizontal: 170° Total Vertical: 160° Total

Features and Benefits

- High performance transfective 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

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, 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)	41W
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

CH19L340-A1-TR-5RT: 19" Sunlight Readable Touch Monitor with Five-Wire Resistive Touchscreen, 1280 x 1024 SXGA, 1000:1 contrast ratio, VGA and DVI Ports

Unit: mm

