

# TOUGH TOUCH<sup>®</sup> 21.5"

**ULTRA-RUGGED  
SUNLIGHT  
READABLE**

Fully-Sealed RAM/VESA Mount LCD Monitor

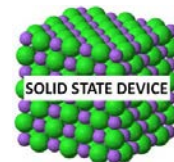


Weatherproof

Wide Temperature Range



INDUSTRIAL  
GRADE



SOLID STATE DEVICE



ULTRA-HARSH DUTY

## PRODUCT HIGHLIGHTS

- ⊕ True industrial grade LCD panel
- ⊕ Long-life advanced LED backlighting, over 100,000 hours half-life
- ⊕ 1200 nits (cd/m<sup>2</sup>) high brightness
- ⊕ Wide operational temperature range
- ⊕ Hardened armored TOUGH TOUCH<sup>®</sup> screen technology
- ⊕ Light weight
- ⊕ T6 temper 6061T high-quality, heat treated aluminum alloy enclosure
- ⊕ Fully-sealed enclosure
- ⊕ D38999 connector
- ⊕ Multiple mounting options allows for easy integration into confined spaces

## FEATURES

<b>DISPLAY</b>	TOUGH TOUCH® Armored glass 1,200 nit (cd/m2) high-brightness Sunlight readable True industrial grade LCD 4,300:1 contrast ratio, 16:9 aspect ratio >100,000 hour LED backlighting life 1000:1 backlight dimming ratio 4-axis 89° viewing angle	<b>OPERATION</b>	Integrated speaker IP67 sealed push-buttons for brightness / dimming management TOUGH TOUCH® touchscreen technology
<b>RESOLUTION (MAX)</b>	1920 x 1080 (1080P)	<b>POWER TYPE</b>	Variable 9 to 36VDC wide-temp vehicle grade
<b>ELECTRICAL</b>	9 to 36 VDC input voltage 41W Auto power-on	<b>TOUCH SCREEN</b>	Hardened Armored TOUGH TOUCH® Technology: A glass armored resistive technology that is an excellent alternative to standard resistive when durability is an issue.  A Micro-thin sheet of borosilicate glass is laminated to the ITO polyester top sheet used in the typical construction of resistive touch sensors.  This process produces a flexible glass membrane which is scratch resistant, water proof, and impervious to chemicals, fire, and stylus use.
<b>OPTICAL FILM ENHANCEMENTS</b>	Boosts efficiency of the backlight's light utilization and minimizes the surface reflection of ambient light.  The result is a transmissive enhancement that features higher contrast and a wider range of colors, even in bright outdoor light, than traditional reflective LCDs.	<b>BACK-LIGHT TECHNOLOGY</b>	Solid state, long-life LED: ultra-long life, little-to-no EMI interference, low operational voltage, ultra-wide temperature, excellent shock & vibration attributes, and ease of brightness control.
<b>OPTICAL BONDING</b>	Touch Screen bonded directly to LCD face: Significantly enhances readability for use throughout high humidity and high ambient light outdoor environments.	<b>MECHANICAL</b>	Milled 6061-T6 aluminum enclosure, electrochemical anodized for added corrosion resistance, black textured finish per military standard FED-STD-595 Single D38999 military-grade connector 3-position RAM & Vesa 100mm mounting Fully enclosed, gasket sealed, no vents Vibration-proof, self-locking fastener system
<b>REGULATORY / EMC</b>	FCC Class A CE Mark ROHS Compliant	<b>ENVIRONMENTAL</b>	Operating Temperature: -30°C to +70°C (optional -40°C available) Storage Temperature: -30°C to +80°C Shock: Designed to meet MIL-STD-810 Vibration: Designed to meet MIL-STD-810 UV-Stable powder coating

## ORDERING INFORMATION

Contact us at **855.365.2188** or visit [octagonsystems.com/request-quote](http://octagonsystems.com/request-quote) to begin the ordering process.

