



12.1" PCAP Industrial Panel Mount Touchscreen

Product Summary

The 12.1" PCAP Panel Mount Touchscreen Monitor is a high-brightness, industrial-grade display designed for deployment in harsh and regulated industrial environments. With certifications including UL, cUL, ATEX, CE, FCC, and ICES, this monitor is approved for use across North America and Europe. Its rugged construction, wide temperature tolerance, and reliable projected capacitive touch technology make it an ideal HMI solution for industrial automation, oil & gas, chemical processing, and outdoor control applications.

Key Selling Points

- NAM/EU Certifications: UL, cUL, ATEX, CE, FCC, ICES
- Hazardous-Location Certified: Certified for use in regulated industrial environments
- High Brightness Display: 1200 nits for outdoor readability
- Extended Temperature Range: Safe operation from -40°C to $+70^{\circ}\text{C}$
- PCAP Multi-Touch: Glove and water operable
- Rugged Industrial Design: IP65 / Type 4X (front)
- Panel Mount Form Factor: Secure fixed installation

Core Specifications

Display Size	12.1" LCD
Resolution	1024 x 768 (XGA)
Aspect Ratio	4:3
Brightness	1200 nits
Contrast Ratio	800:1
Touch Technology	Projected Capacitive (PCAP)
Touch Interface	USB
Backlight Life	50,000 hours

Environmental & Power

Operating Temperature*	-40°C to $+70^{\circ}\text{C}$
Storage Temperature	-30°C to $+80^{\circ}\text{C}$
Operating Humidity	10–90% RH @ 40°C , non-condensing
Power Input	12–24 VDC
Power Consumption	24 W (typical)

*Capable of cold start and continuous operation at ambient temperatures as low as -40°C , with performance degradation expected under extreme cold conditions.

Certifications & Compliance

Ordinary Locations: UL/cUL UL 61010-1, UL 61010-2-201; CSA C22.2 No. 61010-1 / -2-201

Hazardous Locations: UL/cUL Class I, Division 2 (UL 121201 / CSA C22.2 No. 213); ATEX II 3G Ex ec IIC T5 Gc

EMC: CE EN IEC 61326-1, FCC Part 15B, ICES-001

Specifications subject to change without notice. Contact sales for configuration options and availability.