

.XEM-25121T1

12.1" Entry Industrial Touch Monitor with Resistive and Capacitive Touch Screen

Overview

The entire panel features a 3mm ultra-thin bezel designed for embedded installation, with an aluminum alloy structure and a Fanless, fully enclosed design. Equipped with a self-developed industrial display driver board, the device offers excellent anti-interference and heat dissipation performance, making it resistant to harsh conditions such as extreme temperatures, oil stains, dust, and vibrations. It is an ideal choice for industrial control, terminal equipment, and human-machine interaction (HMI).

Features

- Aluminum alloy enclosure, easy embedded design
- IP65 protected flat front panel
- High precision aluminum alloy material
- Industrial grade components
- Capacitive/resistive touch screen
- HDMI/VGA/DP for display high compatibility



I/O Interfaces



TOUCH



HDMI



DP



VGA



Audio I/O



Phoenix terminal



GND

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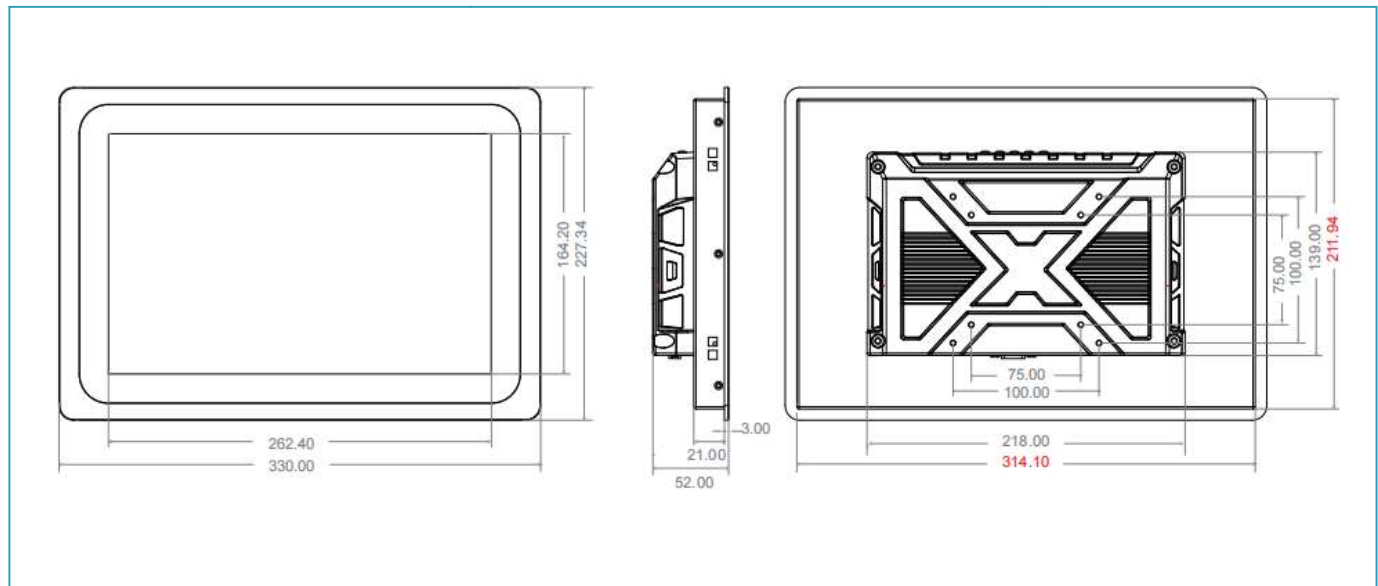
Specifications

DISPLAY	
Size	12.1-inch
Touch type	P-CAP Resistive
Transmittance	88% (P-CAP) 78% (Resistive)
Control interface	USB (COM customized)
Resolution	1280 x 800
Luminance	350 nits
Contrast ratio	1000: 1
I/O PORTS	
Touch Interface	1x RJ45 port (USB defined) comes standard with RJ45 to USB touch cable
Display	1x DP 1x HDMI 1x VGA
Audio	1x Audio I/O, Support audio input and output
POWER	
Button	Yes
DC Input	12 to 36 VDC
Power Connector	1x 2-Pin Phoenix terminal (Optional with thread DC 5.5*2.1)
Power Adaptor	AC-DC, 24V, 1.5A
ENVIRONMENT	
Operating temperature	-10°C to 60°C (-20°C to 70°C can be customized)
Storage temperature	-20°C to 70°C
Relative humidity	95% non-condensing
MECHANICAL	
Dimensions (WxHxD)	330 x 227.3 x 52 mm
Installation size (WxH)	316.1x 213.94 mm
Mounting	Panel mount Wall mount VESA mount
Material	Aluminum alloy panel
CERTIFICATION	
EMC	CE

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Dimensions



Ordering Information

Ref.	Description
XEM-25121T1C/V36/	12.1" Industrial Panel mount monitor with PCAP touch and DC 12-36V adapter
XEM-25121T1R/V36/	12.1" Industrial Panel mount monitor with Resistive touch and DC 12-36V adapter