.XIP-21080D1J6412

8" Industrial Touch Panel PC with Intel® Celeron® Processor

Overview

The XIP-21080D1J6412 series is an 8" fanless industrial panel PC based on the Intel® Celeron® J6412 processor. It features a modular design to allow easy CPU board or I/O board upgrades to fulfill customer needs. The XIP-21080D1J6412 series offers low-power consumption, rich I/O connectivity, and Wi-Fi module expansion. It boasts a sleek design with an IP65 aluminum alloy front panel and a durable metal body, offering superior heat dissipation and high reliability for operation in harsh industrial environments. The XIP-21080D1J6412 series is an excellent HMI platform for industrial applications and factory automation.

Features

- 8" LED-backlit LCD with capacitive or resistive touch screen
- Rugged aluminum enclosure and fanless design
- Intel® Celeron® J6412 Processor
- 2x COM, 4x USB, 2x LAN, 1x HDMI
- Wi-Fi support
- VESA 75 mount and panel mount compatibility
- IP65 compliant front panel

Windows 11/10   Fanless   Operating Temp.   Touch Display   IP65

I/O Interfaces

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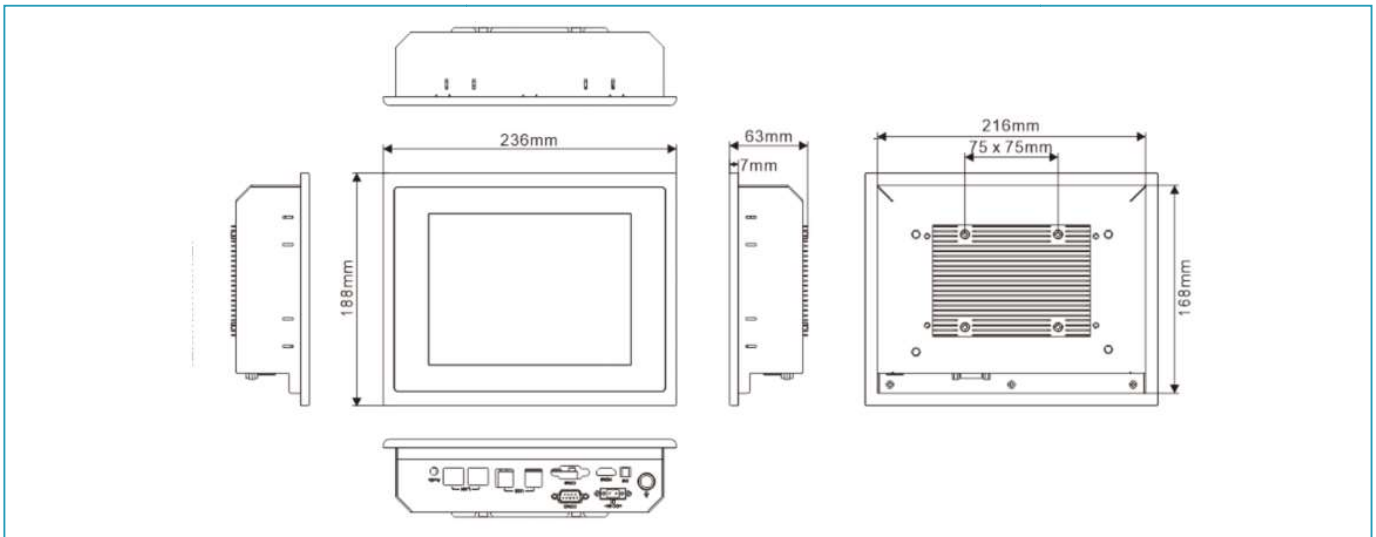
Specifications

DISPLAY	
Size	8-inch
Touch type	5-wire resistive touch Projected capacitive multitouch
Transmittance	87% (capacitive) / 80% (resistive)
Control Interface	USB
Surface Hardness	≥3H≥7H
Resolution	1024 x 768
Luminance	400 nits
Contrast ratio	1000:1
View angles	80 (left), 80 (right), 80 (up), 80 (down)
LED Lifetime	30 000 hrs
Color	16.7M
SYSTEM	
CPU	Intel® Celeron® J6412 (2.0 GHz) Quad-Core processor
Memory	DDR4 2400/3200MHz (up to 32GB)
Storage	1 x SATA 3.0, 1 x M.2 2242 (SATA3.0 supported)
Operating System	Windows 10, Windows 11
I/O PORTS	
USB	2 x USB2.0, 2 x USB3.1
Serial	COM1 (1 x RS-232/RS-422/RS-485) COM2 (1xRS232(default)/RS485(Jumper)
Ethernet	2x GbE LAN
Display	1x HDMI
Antenna	2x SMA antenna holes
EXPANSION SLOT	
Mini PCIe	1 x Mini-PCIe (WiFi/4G/supported)
RF COMMUNICATION	
Wi-Fi	Mini PCIe expansion (optional)
Cellular	Mini PCIe expansion (optional)
Bluetooth	Mini PCIe expansion (optional)
AUDIO	
Audio	Mic in, line out
Speaker	3Ω4W speaker (optional)
POWER	
Button	Yes
Remote Power On/Off	1x Remote switch connector
DC Input	12 or 24VDC
Power Connector	2-pin phoenix terminal
Power Consumption	15W
Power Adaptor	AC-DC, 12V@5A, 60W
MECHANICAL	
Dimensions (W x D x H mm)	236 x 188 x 63 mm (9.3 x 7.4 x 2.5 inches)
Weight (kg)	1.9 kg (4.4 lbs)
Mounting	Panel mount Wall mount VESA 75
Material	Aluminum alloy panel All-metal chassis

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ENVIRONMENT		3
Operating Temperature	-10°C to 50°C (14 to 122°F); -20 ℃ to 60°C (-4 ℉ to 140°F)(with W.T. SSD / DRAM)	
Storage Temperature	-20°C to 60°C (-4 to 140°F)	
Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing	
Vibration	5-500Hz, 0.026 G²/Hz, 2.16 Grms, X, Y, Z, 1 hour per axis	
CERTIFICATION		
EMC	CE, FCC	
PACKING LIST		
Packing	1x XIP-21080D1J6412 1x AC-DC power adapter 6x panel mounting buckles 1x warranty card	

Dimensions

Ordering Information

Ref.	Description
XIP-21080D1J6412R	8" LCD, Intel Celeron J6412, Resistive, DC 12V input, Phoenix 2P TB
XIP-21080D1J6412C	8" LCD, Intel Celeron J6412, P-CAP, DC 12V input, Phoenix 2P TB