

.XIP-21156D1

15.6" Industrial Touch Panel PC with Intel® Core™ U-Series / Celeron® Processor

Overview

The XIP-21156D1 series is a 15.6" fanless industrial Panel PC based on the Intel® Core™ U-Series / Celeron® processor. It features a modular design to allow easy CPU board or I/O board upgrades to fulfill customer needs. The XIP-21156D1 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-21156D1 series is an excellent HMI platform for industrial applications and factory automation.

Features

- 15.6" LED-backlit LCD with capacitive multitouch
- Rugged aluminum enclosure and fanless design
- Intel® Core™ U-Series / Celeron® processor
- 2xCOM, 4x USB, 2x LAN, 1x VGA, 1x HDMI
- Supports Wi-Fi, 4G
- VESA 100 mount and panel mount compatibility
- IP65 compliant front panel



Windows
11/10



Fanless



Operating
Temp.

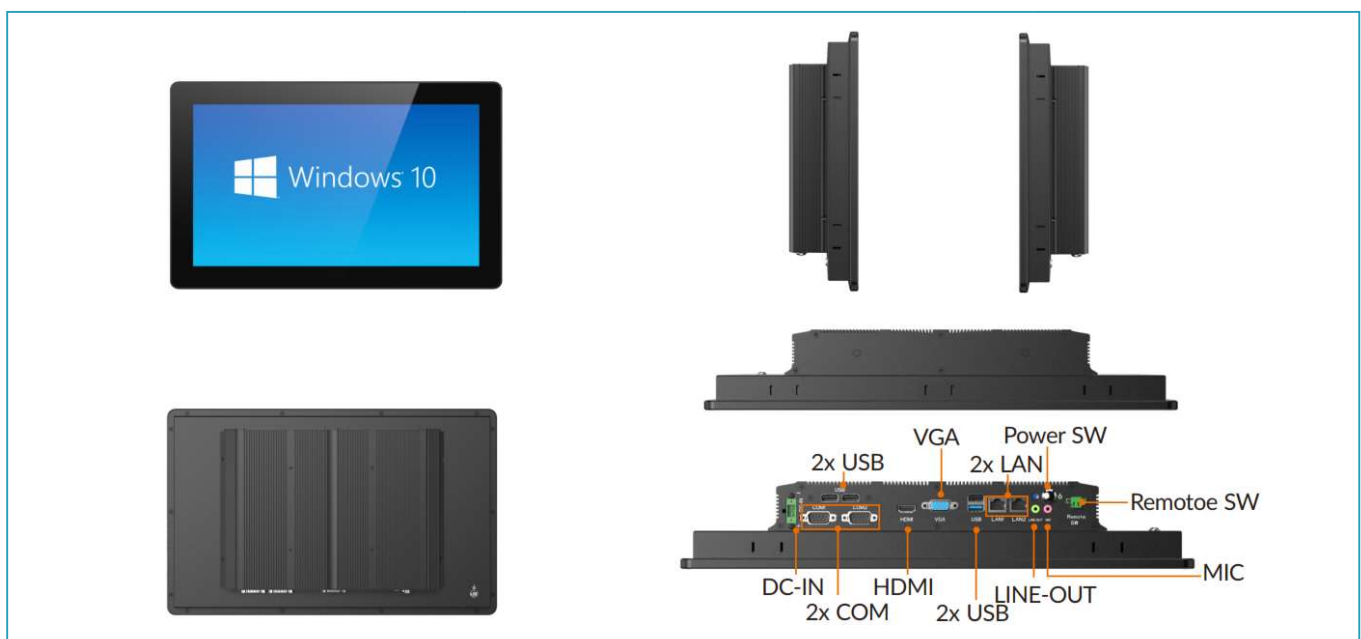


Touch
Display



IP65

I/O Interfaces



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Specifications

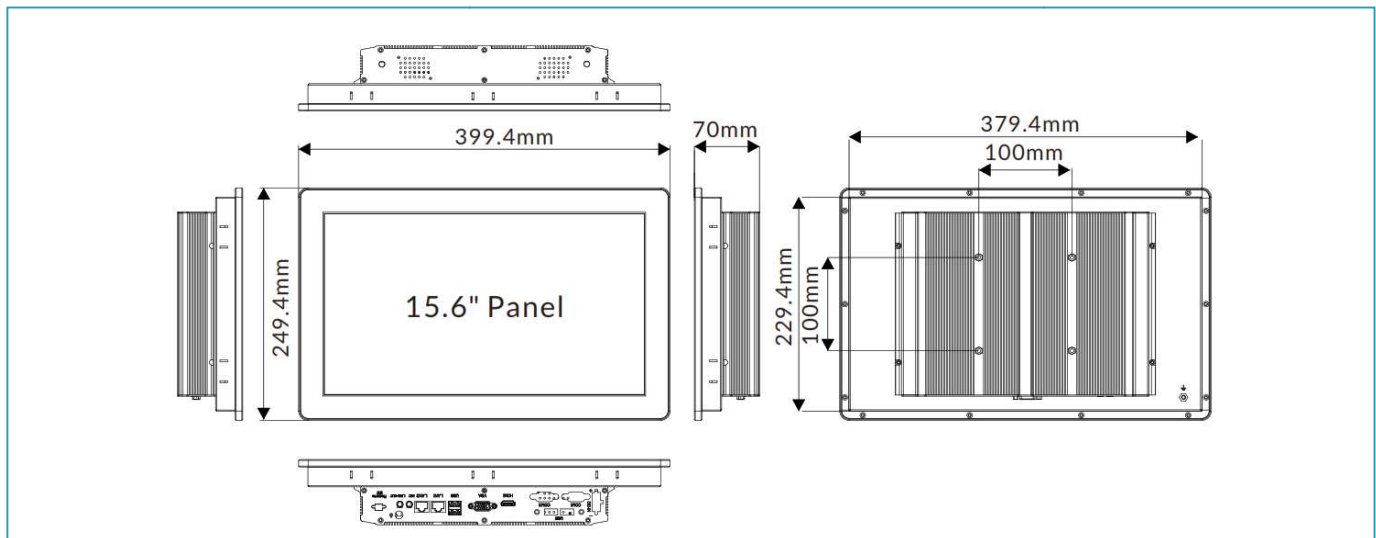
DISPLAY			
Size	15.6-inch		
Touch type	Projected capacitive multitouch		
Transmittance	87% (capacitive)		
Control Interface	USB		
Surface Hardness	≥7H		
Resolution	1920 x 1080		
Luminance	450 nits		
Contrast ratio	1000:1		
View angles	85 (left), 85 (right), 85 (up), 85 (down)		
LED Lifetime	50 000 hrs		
Color	16.7M		
SYSTEM			
CPU	Intel® Celeron® J6412 (2.0 GHz)	Intel® Core™ i5 10210U (1.6 GHz)	Intel® Core™ i7 10710U (1.1 GHz)
Memory	1x SO-DIMM DDR4 3200MHz, up to 16GB	2x SO-DIMM DDR4 2666MHz, up to 32GB	2x SO-DIMM DDR4 2666MHz, up to 32G
Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD		
Operating System	Windows 10 Windows 11	Windows 10 Windows 11	Windows 10 Windows 11
I/O PORTS			
USB	2x USB 3.0, 2x USB 2.0		
Serial	2x COM : COM1 RS-232 COM2 RS-232/422/485		
Ethernet	2x GbE LAN		
Display	1x HDMI, 1x VGA		
SIM Card Slot	1x SIM slot for 4G (optional)		
Antenna	2x SMA antenna holes		
EXPANSION SLOT			
Mini PCIe	1x M.2 E for WI-FI 1x full length Mini PCIe for mSATA	1x full length Mini PCIe for Wi-Fi 1x full length Mini PCIe for mSATA	
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	2Ω5W speaker (optional)		
POWER			
Button	Yes		
Remote Power On/Off	1x Remote switch connector		
DC Input	12 VDC (9-36 VDC optional)		
Power Connector	2-pin phoenix terminal		
Power Consumption	25W	28W	
Power Adaptor	AC-DC, 12V@5A, 60W	AC-DC, 12V@7A, 84W	
MECHANICAL			

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Dimensions (W x D x H mm)	399 x 249 x 70 mm (15.7 x 9.8 x 2.7 inches)
Weight (kg)	5.9 kg (13 lbs)
Mounting	Panel mount Wall mount bracket VESA 100
Material	Aluminum alloy panel All-metal chassis
ENVIRONMENT	
Operating Temperature	-10°C to 50°C (14 to 122°F)
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 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis
IP Rating	IP65 compliant (Front Panel)
CERTIFICATION	
EMC	CE, FCC
PACKING LIST	
Packing	1x XIP-21156D1 1x AC-DC power adapter 10x Panel mounting buckles 1x Warranty card

Dimensions



Ordering Information

Ref.	Description
XIP-21156D1J6412C	15.6" LCD, Intel Celeron J6412, P-Cap, DC 12V input, Phoenix 2P TB
XIP-21156D1I510UC	15.6" LCD, Intel Comet Lake Core-i5-10210U, P-Cap, DC 12V input, Phoenix 2P TB
XIP-21156D1I710UC	15.6" LCD, Intel Comet Lake Core-i7-10710U, P-Cap, DC 12V input, Phoenix 2P TB