.XFP-20190D1

19" Fully Protected Panel PC with Intel® Celeron® J6412 Processor

Overview

The XFP-20190D1 is a 19" industrial-grade touch panel PC powered by an Intel® Celeron® J6412 processor, ideally suited for use in industrial HMI applications. With its modular, fanless, and shockproof design, the robust XFP-20190D1 is fully IP65 rated for dustproof and waterproof protection, ensuring extreme durability. The XFP series offers display screen options available in both 4:3 and 16:9 aspect ratios. Moreover, it comes equipped with M12 I/O connectors, empowering it to withstand even the harshest environments.

Features

- Intel® Celeron® J6412 processor
- 19" panel PC with capacitive or resistive touch screen
- Sealed to full IP65 protection against water and dust
- -10 to 50°C operating temperature
- M12 connectors for maximum protection against vibration, shock and dirt

Windows 11/10	Fanless	Operating Temp.	Touch Display	IP65

I/O Interfaces

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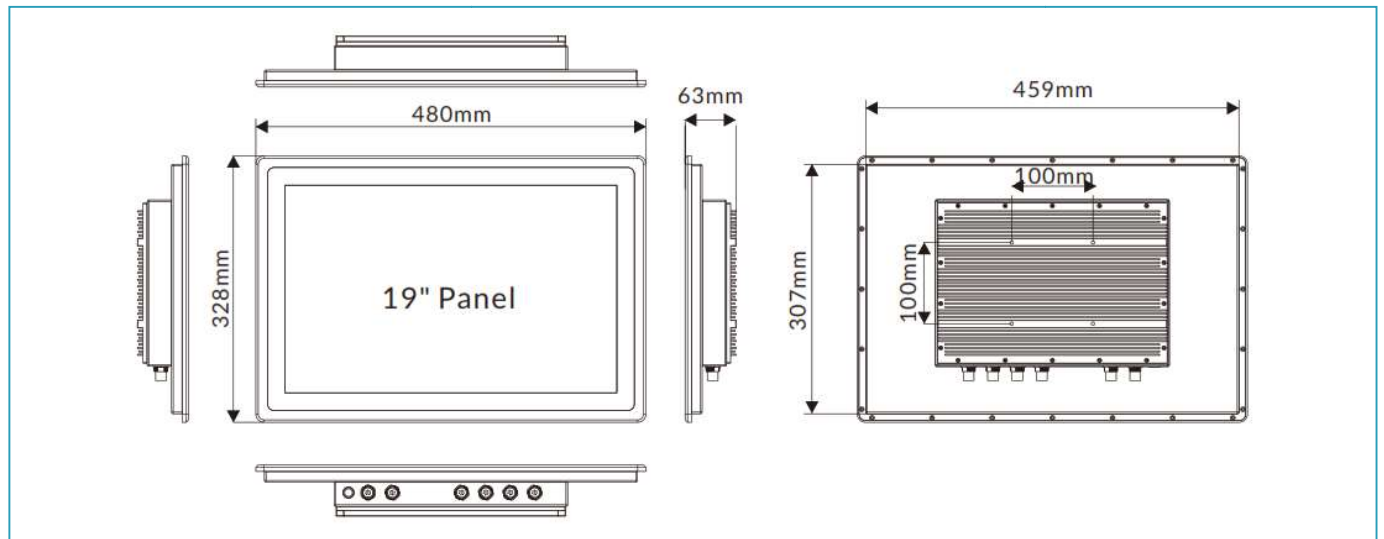
Specifications

DISPLAY	
Size	19-inch
Touch type	5-wire resistive touch Projected capacitive multitouch (optional)
Resolution	1440 x 900
Luminance	250 nits
Contrast ratio	1000:1
View angles	85 (left), 85 (right), 85 (up), 85 (down)
Color	16.7M
SYSTEM	
CPU	Intel® Celeron® J6412 processor
Memory	DDR4 up to 16GB
Storage	mSATA up to 1TB
Graphics	Intel® HD graphics
BIOS	AMI
Operating System	Windows 10, Windows 11
I/O PORTS	
USB	4x USB2.0
Serial	1x COM (supports 1x RS232 or 1x RS485)
Ethernet	2x GbE LAN
EXPANSION SLOT	
Mini PCIe	1x Full length Mini PCIe for mSATA 1x Full length Mini PCIe for Wi-Fi or 4G
Antenna	2x SMA antenna holes
RF COMMUNICATION	
Wi-Fi	Wi-Fi 802.11 a/b/g/n/ac (optional)
Cellular	4G LTE (optional)
Bluetooth	Bluetooth 4.0 (optional)
AUDIO	
Audio	Mic in, line out
Speaker	3Ω4W speaker (optional)
POWER	
Button	Yes
DC Input	12 VDC
Power Consumption	27W
Power Mode	ATX
MECHANICAL	
Dimensions (W x D x H mm)	480 x 328 x 63 mm (18.9 x 12.91 x 2.48 inches)
Weight (kg)	7.2 kg (15.87 lbs)
Mounting	VESA 100
Material	Aluminum and SGCC
ENVIRONMENT	
Operating Temperature	-10 to 50°C (14 to 122°F)
Storage Temperature	-40 to 80°C (-40 to 176°F)
Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing
IP Rating	IP65
CERTIFICATION	
EMC	CE, FCC

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Dimensions

Ordering Information

Ref.	Description
XFP-20190D1J1900R	19" LCD, Intel Celeron J1900, Resistive Touch, BARE model, DC 12V input, M12 3P
XFP-20190D1J1900C	19" LCD, Intel Celeron J1900, P-CAP Touch, BARE model, DC 12V input, M12 3P