

.XFB-234604D1

Fanless Box Computer with Intel® Core™ i3/i5/i7 Processor, 4x LAN, 6x COM

Overview

The XFB-234604D1 fanless industrial computer is engineered with a cableless design, providing exceptional resistance to vibrations and electromagnetic interference. Its modular architecture, which includes a CPU board that seamlessly plugs into an I/O board, not only minimizes the time and cost associated with product upgrades but also facilitates effortless customization to address unique customer application requirements. Furthermore, the XFB-234604D1 is equipped with a comprehensive array of I/O interfaces and expansion capabilities, such as COM ports, GbE LAN, GPIO, WiFi, and 4G connectivity, ensuring robust and flexible performance for a wide range of industrial applications.

Features

- Intel® Core™ i3/i5/i7 processor
- 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI
- 2x CAN2.0c(optional), 16x Opto-isolated DIO (optional)
- 9 to 36 VDC power input



Windows
11/10



Fanless



Operating
Temp.



DC Input
9-36 VDC



I/O Interfaces



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Specifications

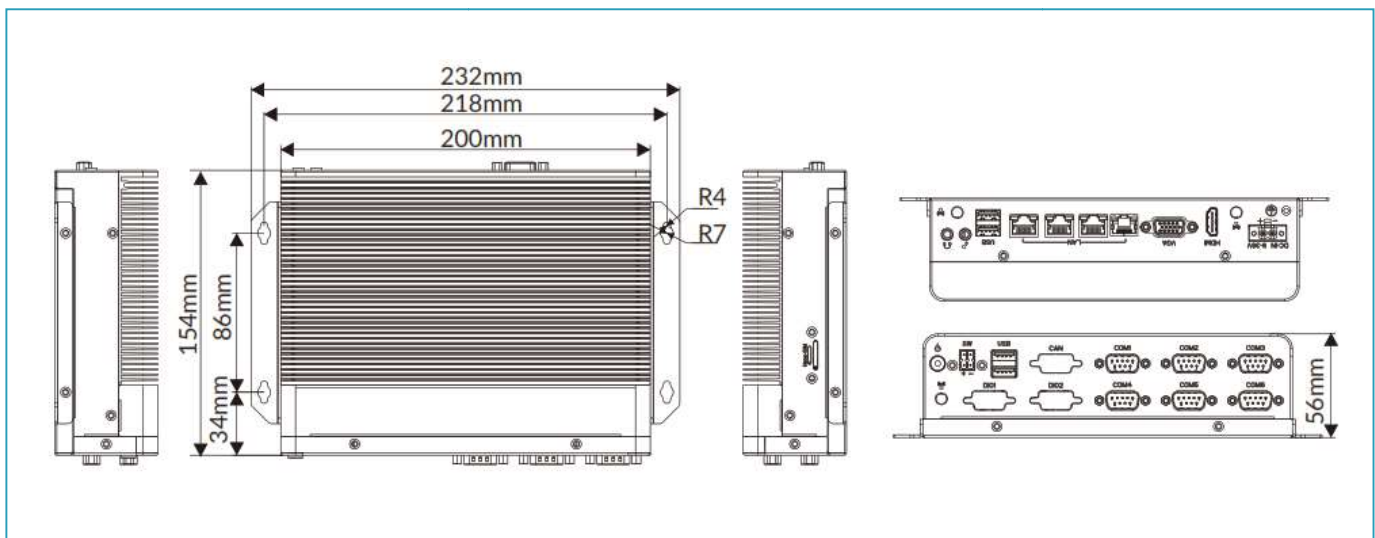
SYSTEM				
CPU	Intel® Core™ i3-8145U i5-8265U	Intel® Core™ i3-10110U i5-10210U i7-10510U	Intel® Core™ i3-1115G4 i5-1145G7 i7-1185G7	Intel® Core™ i3-1215U i5-1235U i7-1255U
CPU TDP	15W			
Memory	1x DDR4 2666 MHz SO-DIMM up to 32GB		1x DDR4 3200 MHz SO-DIMM up to 32GB	
Storage	1x mSATA		1x M.2 2280 SATA	
BIOS	AMI UEFI			
Watchdog Timer	Software programmable. Supports 256 levels system reset			
I/O PORTS				
USB	2x USB 3.0 2x USB 2.0			
Serial	6x COM (1x RS-232/422/485,5x RS-232)		6x COM (1x RS-232/485,1x RS-232/422/485, 4x RS-232)	
Ethernet	4x RJ45 GbE Intel® I226-V			
Display	1x HDMI, 1x VGA			
SIM Card Slot	1x SIM card slot (inside)			
DIO	16x Opto-isolated DIO (optional)			
CAN bus	2x CAN2.0b (optional)			
Antenna	3x SMA antenna holes			
EXPANSION SLOT				
Mini PCIe	1x Full length Mini PCIe		N/A	
M.2	N/A		1x M.2 2230 E-Key 1x M.2 2280 SATA	
RF COMMUNICATION				
Wi-Fi	Mini PCIe		M.2 2230 E-Key	
Cellular	Mini PCIe			
Bluetooth	Mini PCIe		M.2 2230 E-Key	
GNSS	Mini PCIe			
AUDIO				
Audio	Mic in, line out			
POWER				
Button	Yes			
Remote Power On/Off	4-Pin Remote SW&Power LED			
DC Input	9 to 36 VDC			
Power Mode	AT/ATX			
OPERATING SYSTEM				
Windows	Windows 10 Windows 11			
Linux	Ubuntu			
MECHANICAL				
Dimensions (W x D x H mm)	200 x 154 x 56 mm (7.87 x 6.06 x 2.21 inches)			
Weight (kg)	2 kg (4.41 lbs)			
Mounting	Wall-mount			
Material	Aluminum alloy			

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ENVIRONMENT	
Operating Temperature	-10°C to 60°C (14°F to 140°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	10% to 95% @40°C (104°F), non-condensing
CERTIFICATION	
EMC	CE FCC Class A

Dimensions



Ordering Information

Ref.	Description
XFB-234604D1I310U	I3-10110U Box PC with 4LAN, 6COM, DC 9-36V Input, Phoenix 2P 5.0
XFB-234604D1I311G	I3-1115G4 Box PC with 4LAN, 6COM, DC 9-36V Input, Phoenix 2P 5.0
XFB-234604D1I312U	I3-1215U Box PC with 4LAN, 6COM, DC 9-36V Input, Phoenix 2P 5.0
XFB-234604D1I510U	I5-10210U Box PC with 4LAN, 6COM, DC 9-36V Input, Phoenix 2P 5.0
XFB-234604D1I511G	I5-1145G7 Box PC with 4LAN, 6COM, DC 9-36V Input, Phoenix 2P 5.0
XFB-234604D1I512U	I5-1235U Box PC with 4LAN, 6COM, DC 9-36V Input, Phoenix 2P 5.0
XFB-234604D1I710U	I7-10510U Box PC with 4LAN, 6COM, DC 9-36V Input, Phoenix 2P 5.0
XFB-234604D1I711G	I7-1185G7 Box PC with 4LAN, 6COM, DC 9-36V Input, Phoenix 2P 5.0
XFB-234604D1I712U	I7-1255U Box PC with 4LAN, 6COM, DC 9-36V Input, Phoenix 2P 5.0