

.XDB-242506D1

DIN-Rail IPC with Intel® Elkhart Lake Celeron® / Core™ i3/i5/i7 Processor,
5x COM, 8x DIO, 6x USB, 2x LAN

Overview

XDB-242506D1 is an DIN-Rail IPC equipped with extensive I/O options, offering great flexibility and effortless Mini PCIe expansion capabilities. It boasts wide-input power ranges, wide temperature tolerances, and enhanced structural durability, making it an excellent choice for industrial applications.

Features

- Intel® Elkhart Lake Celeron® J6142 / Core™ i3/i5/i7 processor
- 5x COM, 2x LAN, 6x USB, 1x HDMI
- 8x Opto-isolated DIO
- 1x 2.5" SATA HDD/SSD, 1x M.2 2280 NVME
- 1x Full length Mini PCIe, 1x M.2 2230 E-Key



Windows
11/10



Fanless



Operating
Temp.



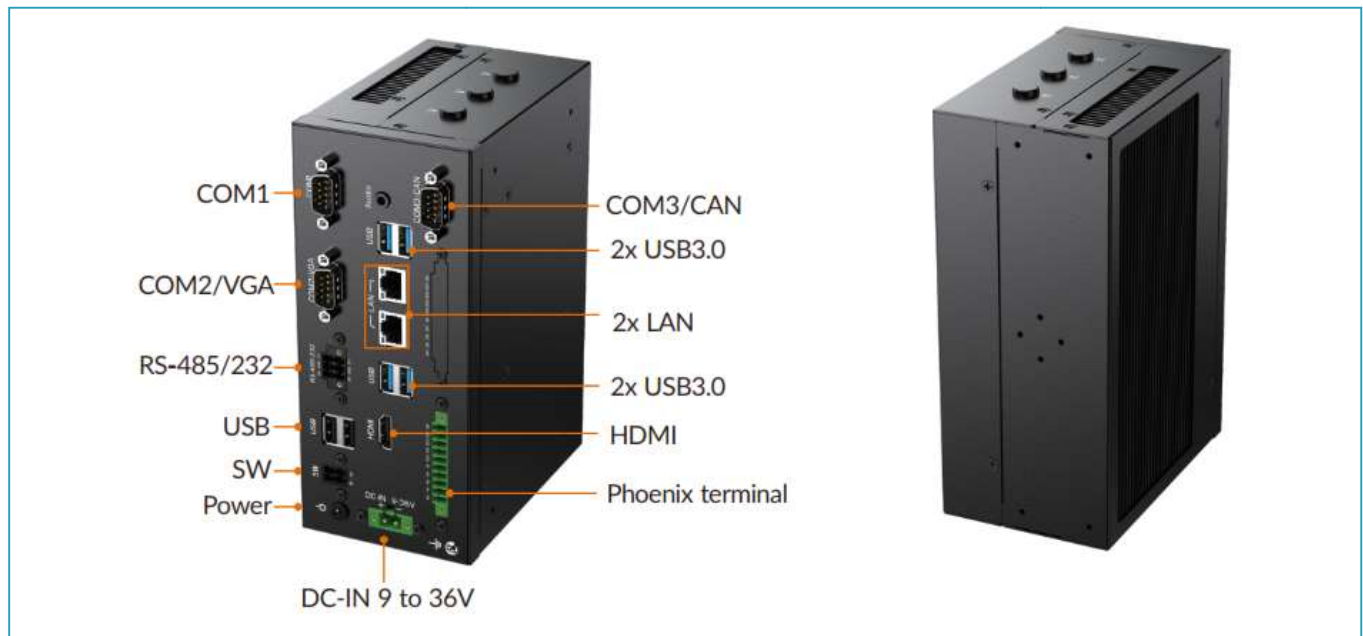
DC Input
9-36 VDC



DIN-Rail



I/O Interfaces



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Specifications

SYSTEM				
CPU	Intel® Celeron® J6412	Intel® Core™ i3-10110U i5-10310U	Intel® Core™ i3-1115G4 i5-1155G7 i7-1195G7	Intel® Core™ i3-1215U i5-1235U i7-1255U
CPU TDP	10W	15W	15W	15W
Memory	1x DDR4 3200 MHz SO-DIMM up to 32GB	1x DDR4 2666 MHz SO-DIMM up to 32GB	1x DDR4 3200 MHz SO-DIMM up to 32GB	1x DDR4 3200 MHz SO-DIMM up to 32GB
Storage	1x 2.5" SATA HDD 1x M.2 2280 NVME			
BIOS	AMI UEFI			
TPM	BIOS			
Watchdog Timer	Software programmable. Supports 256 levels system reset			
I/O PORTS				
USB	4x USB 3.0 2x USB 2.0			
Serial	5x RS-232 (2x RS-232/485)			
Ethernet	2x RJ45 GbE Intel® I210AT			
Display	1x HDMI			
SIM Card Slot	1x SIM card slot			
DIO	8x Opto-isolated DIO / 16x Opto-isolated DIO (optional)			
CAN bus	2x CAN 2.0b (optional)			
Antenna	3x SMA antenna holes			
EXPANSION SLOT				
Mini PCIe	1x Full length Mini PCIe			
M.2	1x M.2 2280 Nvme	1x M.2 2280 NVME 1x M.2 2230 E-Key	1x M.2 2280 NVME	1x M.2 2280 NVME 1x M.2 2230 E-Key
RF COMMUNICATION				
Wi-Fi	Mini PCIe	1x M.2 2230 E-Key	Mini PCIe	1x M.2 2230 E-Key
Cellular	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe
Bluetooth	Mini PCIe	1x M.2 2230 E-Key	Mini PCIe	1x M.2 2230 E-Key
GNSS	Mini PCIe	Mini PCIe	Mini PCIe	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)	176 x 120 x 76 mm (6.93 x 4.72 x 2.99 inches)			
Weight (kg)	2.2kg (4.85lbs)			
Mounting	DIN-Rail Wall-mount			
Material	Aluminum alloy			

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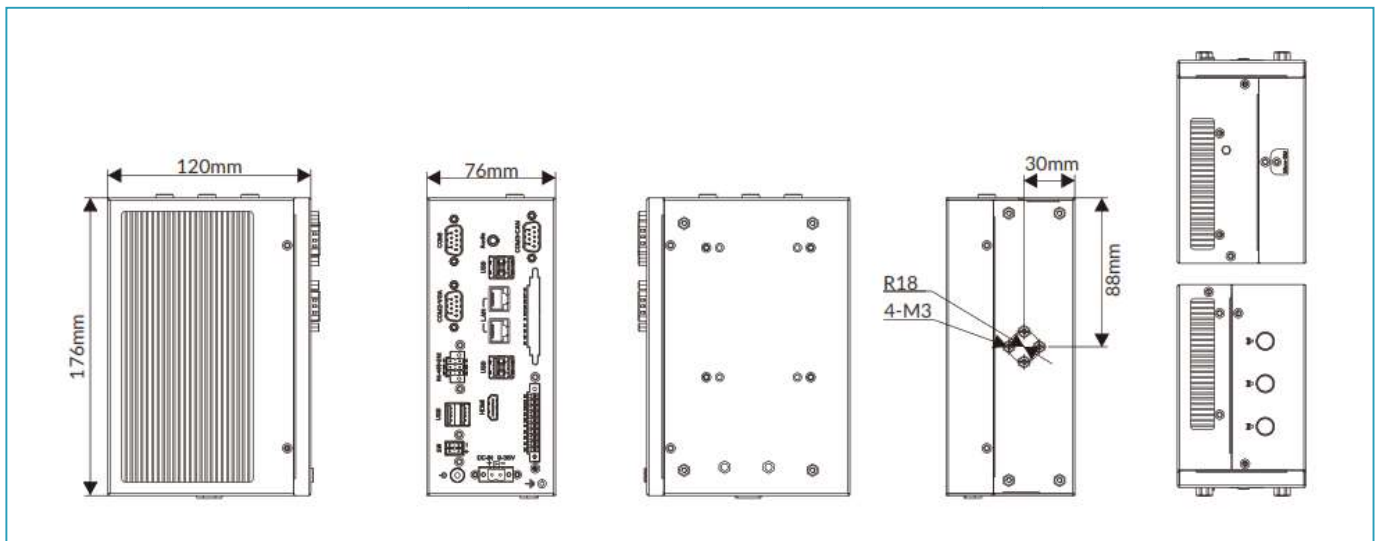
ENVIRONMENT

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
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Dimensions



Ordering Information

Ref.	Description
XDB-242506D1J6412	J6412/2LAN/5COM/6USB/8DIO/HDMI/9~36V DC-IN, Phoenix 2P 5.0
XDB-242506D1I310U	I3-10110U/2LAN/5COM/6USB/8DIO/HDMI/9~36V DC-IN, Phoenix 2P 5.0
XDB-242506D1I311G	I3-1115G4/2LAN/5COM/6USB/8DIO/HDMI/9~36V DC-IN, Phoenix 2P 5.0
XDB-242506D1I312U	I3-1215U/2LAN/5COM/6USB/8DIO/HDMI/9~36V DC-IN, Phoenix 2P 5.0
XDB-242506D1I510U	I5-10310U/2LAN/5COM/6USB/8DIO/HDMI/9~36V DC-IN, Phoenix 2P 5.0
XDB-242506D1I511G	I5-1135G7/2LAN/5COM/6USB/8DIO/HDMI/9~36V DC-IN, Phoenix 2P 5.0
XDB-242506D1I512U	I5-1235U/2LAN/5COM/6USB/8DIO/HDMI/9~36V DC-IN, Phoenix 2P 5.0
XDB-242506D1I711G	I7-1195G7/2LAN/5COM/6USB/8DIO/HDMI/9~36V DC-IN, Phoenix 2P 5.0
XDB-242506D1I712U	I7-1255U/2LAN/5COM/6USB/8DIO/HDMI/9~36V DC-IN, Phoenix 2P 5.0