

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

Overview

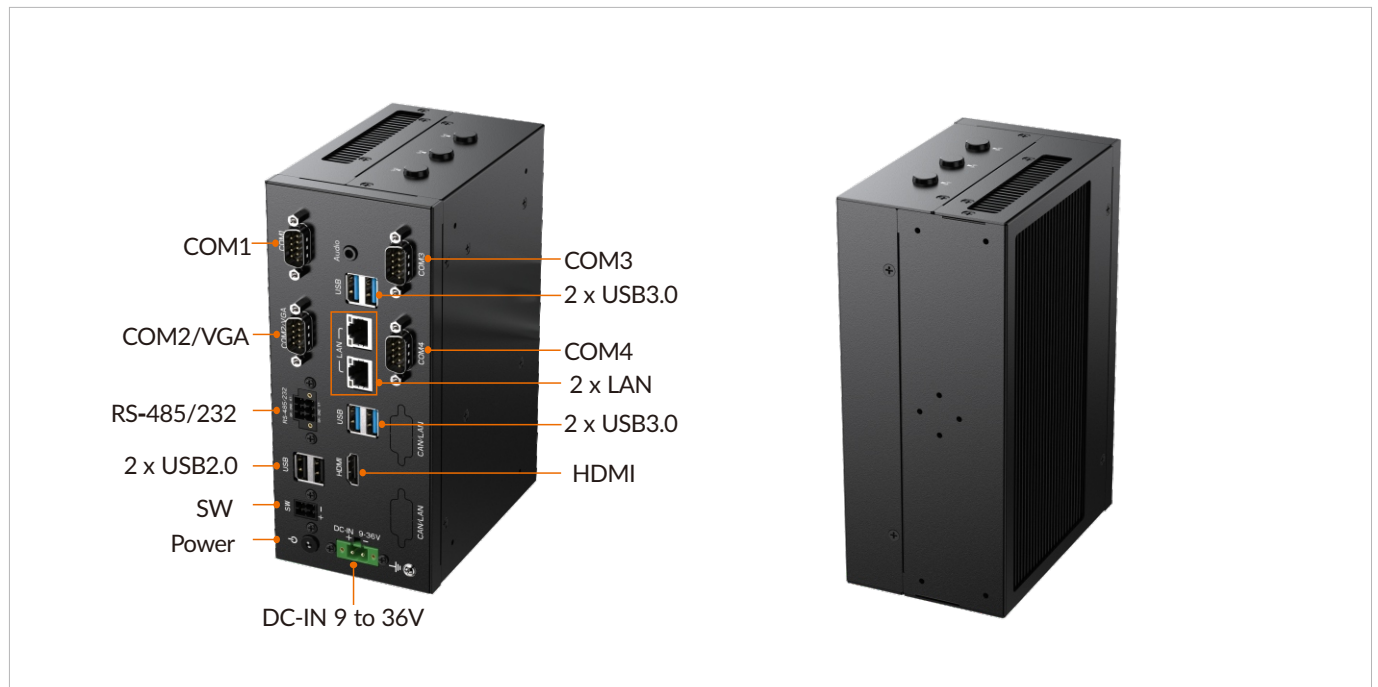
DBC-3300 is a DIN-Rail IPC equipped with extensive I/O options, offering great flexibility and effortless Mini PCIe expansion capabilities. It boasts wide-input power ranges, wide temperature tolerances, and enhanced structural durability, making it an excellent choice for industrial applications.

Features

- Intel® Elkhart Lake Celeron® J6412/Core™ i3/i5/i7 processor
- 6 x COM, 2 x LAN, 6 x USB, 1 x HDMI
- 1 x 2.5" SATA HDD/SSD, 1 x M.2 2280 NVME
- 1 x Full length Mini PCIe, 1 x M.2 2230 E-Key



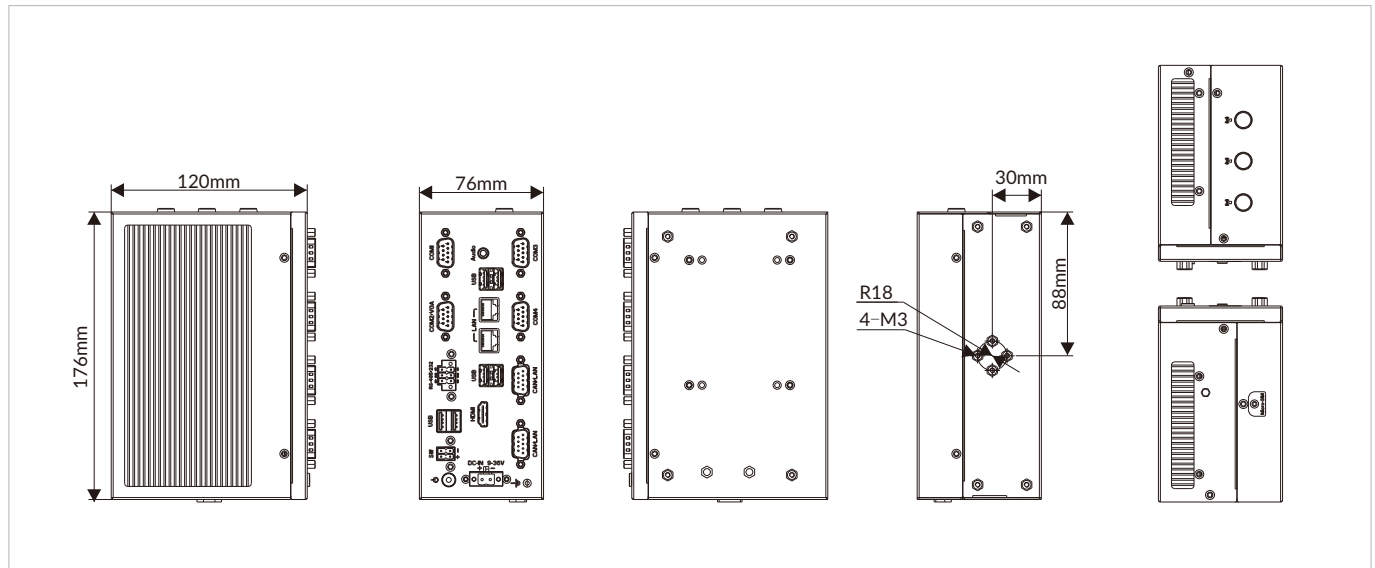
I/O Interfaces



Specifications

System				
CPU	Intel® Celeron® J6412 processor	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	1 x DDR4 3200 MHz SO-DIMM up to 32GB	1 x DDR4 2666 MHz SO-DIMM up to 32GB	1 x DDR4 3200 MHz SO-DIMM up to 32GB	1 x DDR4 3200 MHz SO-DIMM up to 32GB
Storage	1 x 2.5" SATA HDD 1 x M.2 2280 NVME			
BIOS	AMI UEFI			
TPM	BIOS			
Watchdog Timer	Software Programmable. Supports 256 levels system reset			
I/O Ports				
USB	2 x USB 2.0, 4 x USB 3.0			
Serial	6 x RS-232(2 x RS-232/485)			
Ethernet	2 x RJ45 GbE Intel® I210AT			
Display	1 x HDMI			
SIM Card Slot	1 x SIM card slot			
CAN bus	2 x CAN 2.0B(optional)			
Antenna	3 x SMA antenna holes			
Expansion Slot				
Mini PCIe	1 x Full length Mini PCIe			
M.2	1 x M.2 2280 NVME	1 x M.2 2280 NVME, 1 x M.2 2230 E-Key	1 x M.2 2280 NVME	1 x M.2 2280 NVME, 1 x M.2 2230 E-Key
RF Communication				
Wi-Fi	Mini PCIe	1 x M.2 2230 E-Key	Mini PCIe	1 x M.2 2230 E-Key
Cellular	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe
Bluetooth	Mini PCIe	1 x M.2 2230 E-Key	Mini PCIe	1 x 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	9-36VDC			
Power Mode	AT/ATX			
Operating System				
Windows	Windows 10/11			
Linux	Ubuntu			
Mechanical				
Dimensions (WxDxH)	176 x 120 x 76mm (6.93 x 4.72 x 2.99 inches)			
Weight (N.W.)	2.2kg (4.85lbs)			
Mounting	DIN-Rail/Wall mount(optional)			
Material	Aluminum alloy			
Environment				
Operating Temperature	-10 to 60°C (14 to 140°F)			
Storage Temperature	-20 to 60°C (-4 to 140°F)			
Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing			
Certification				
EMC	CE, FCC Class A			

Dimensions



Ordering Information

Part No.	Description
A.02.001.000022	AC/DC power adaptor 60W 12V 5A
C.02.009.000039	AC/DC power adaptor 84W 12V 7A

Ordering Information

Part No.	Description
DBC-3300-J6412	J6412 DBC with 6 x COM, 2 x LAN, 6 x USB, HDMI, 9-36VDC
DBC-3300-10110U	i3-10110U DBC with 6 x COM, 2 x LAN, 6 x USB, HDMI, 9-36VDC
DBC-3300-10310U	i5-10310U DBC with 6 x COM, 2 x LAN, 6 x USB, HDMI, 9-36VDC
DBC-3300-1115G4	i3-1115G4 DBC with 6 x COM, 2 x LAN, 6 x USB, HDMI, 9-36VDC
DBC-3300-1155G7	i5-1155G7 DBC with 6 x COM, 2 x LAN, 6 x USB, HDMI, 9-36VDC
DBC-3300-1195G7	i7-1195G7 DBC with 6 x COM, 2 x LAN, 6 x USB, HDMI, 9-36VDC
DBC-3300-1215U	i3-1215U DBC with 6 x COM, 2 x LAN, 6 x USB, HDMI, 9-36VDC
DBC-3300-1235U	i5-1235U DBC with 6 x COM, 2 x LAN, 6 x USB, HDMI, 9-36VDC
DBC-3300-1255U	i7-1255U DBC with 6 x COM, 2 x LAN, 6 x USB, HDMI, 9-36VDC