

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

Overview

DBC-3400 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

- 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



Operating Temp.



Power Input



Mounting of slide rail



Fanless



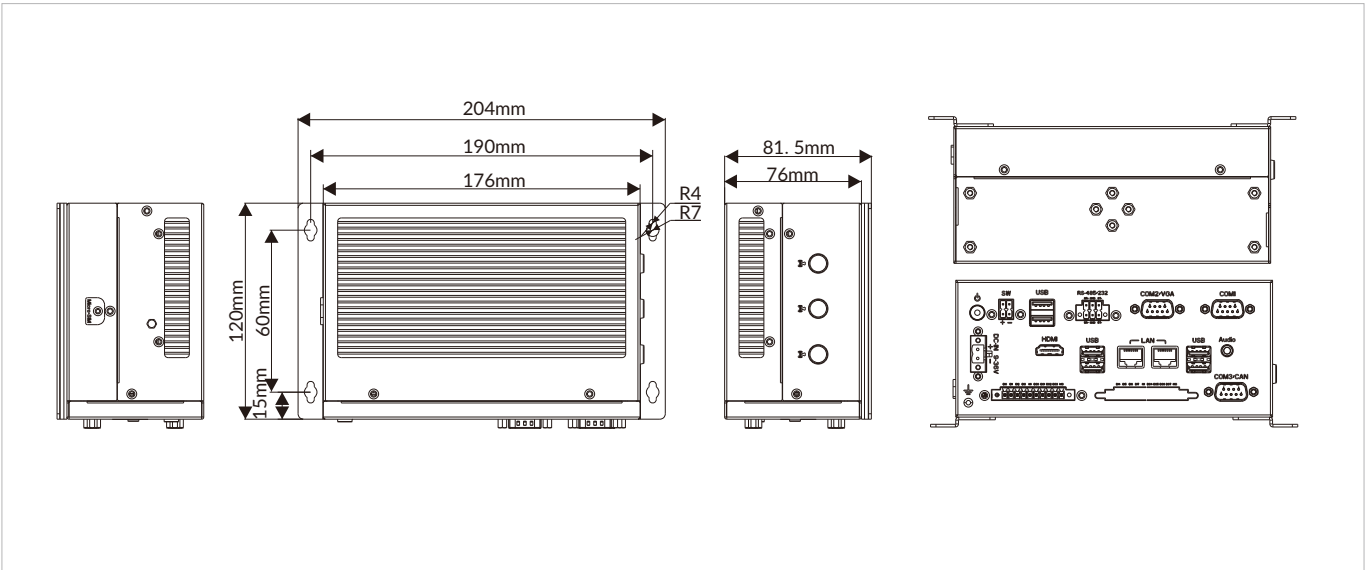
I/O Interfaces



Specifications

System				
CPU	Intel® Celeron® J6412 processor	Intel® Core™ i3-10110U	Intel® Core™ i3-1115G4 /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	2x USB 2.0, 4x USB 3.0			
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	9-36VDC			
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			
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-3400-J6412	J6412 DBC with 5x COM, 2x LAN, 8x DIO, 6x USB, HDMI, 9-36VDC
DBC-3400-10110U	i3-10110U DBC with 5x COM, 2x LAN, 8x DIO, 6x USB, HDMI, 9-36VDC
DBC-3400-1115G4	i3-1115G4 DBC with 5x COM, 2x LAN, 8x DIO, 6x USB, HDMI, 9-36VDC
DBC-3400-1195G7	i7-1195G7 DBC with 5x COM, 2x LAN, 8x DIO, 6x USB, HDMI, 9-36VDC
DBC-3400-1215U	i3-1215U DBC with 5x COM, 2x LAN, 8x DIO, 6x USB, HDMI, 9-36VDC
DBC-3400-1235U	i5-1235U DBC with 5x COM, 2x LAN, 8x DIO, 6x USB, HDMI, 9-36VDC
DBC-3400-1255U	i7-1255U DBC with 5x COM, 2x LAN, 8x DIO, 6x USB, HDMI, 9-36VDC