MIC-8422

Modular Industrial Computer with 10th/11th Gen Intel® Core™ i3/i5/i7/i9, Pentium®, Celeron® Processor

Overview

The MIC-8422 is a modular industrial computer with 10th/11th Gen Intel® Core™ i3/i5/i7/i9, Pentium®, and Celeron® processors. It offers extensive connectivity options, expansion capabilities, control interfaces, and flexible display configurations, making it a versatile and reliable choice for industrial applications.

Features

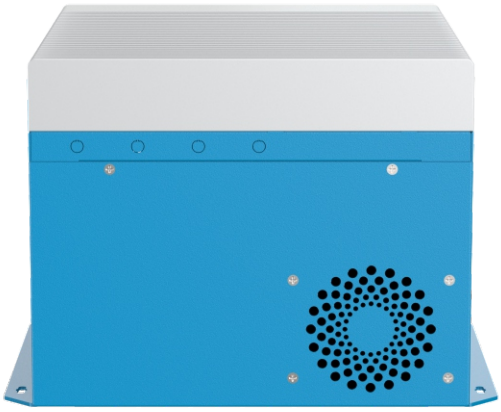
- 10th/11th Gen Intel® Core™ i3/i5/i7/i9, Pentium®, Celeron® Processor
- 4x COM, 6x LAN, 8x USB
- 2x PCI, 1x PCIe x16, 1x PCIe x4
- 1x DP, 1x VGA, 1x HDMI
- 2x M.2 M-Key 2280 ,1x M.2 E-Key 2230 ,1x M.2 B-Key 3052
- 24V DC power input

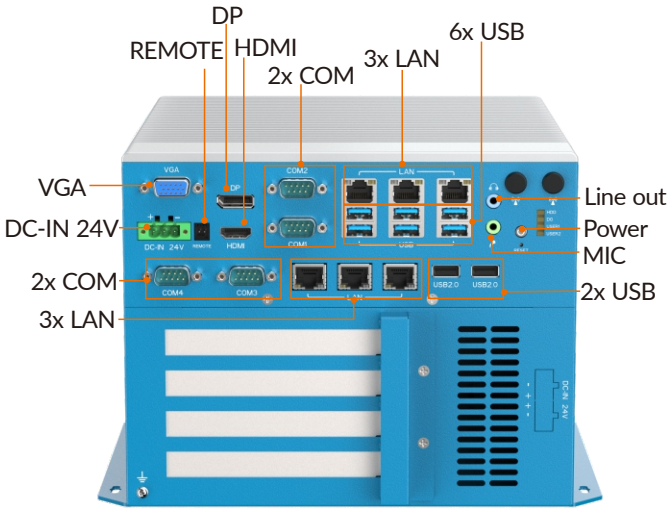
Operating Temp.

Power Input

PCI/PCIe

I/O Interfaces

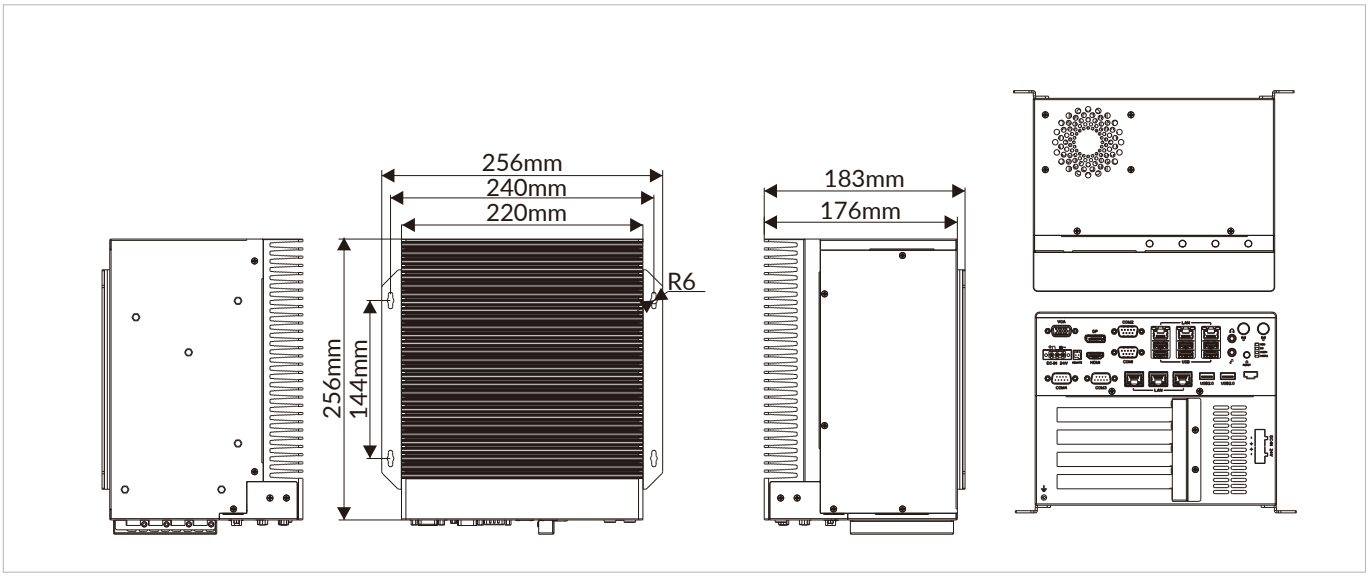




Specifications

System	
CPU	10th/11th Gen Intel® Core™ i3/i5/i7/i9
CPU TDP	65W
Chipset	Intel® H470
Memory	2x DDR4 SO-DIMM up to 64GB
Storage	2x M.2 2280 SATA
BIOS	AMI 128Mbit SPI Flash
TPM	1x SPI (optional)
Watchdog Timer	Software programmable supports 256 levels system reset
I/O Ports	
USB Port	2x USB 2.0,6x USB3.0
Serial Port	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)
Ethernet	1x Intel® I219-LM, 5x Intel® I210-AT
Display Port	1x DP, 1x VGA, 1x HDMI
SIM Card Slot	1x SIM
Antenna Hole	6x SMA-type
Expansion Slot	
PCI/PCIe	2 x PCI, 1 x PCIe X16 1 x PCIe X4
M.2	2x M.2 M-Key 2280,1x M.2 E-Key 2230 ,1x M.2 B-Key 3052
RF Communication	
Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)
Cellular	1x M.2 3052 B-Key (USB3.0)
Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)
GNSS	1x M.2 3052 B-Key (USB3.0)
Audio	
Audio	Mic in, line out
Power	
Remote Power On/Off	2-Pin remote
DC Input	24VDC
Input Type	1x 3-pin terminal block connector
Power Mode	AT/ATX
Operating System	
Windows	Windows 10, Windows 11
Linux	Ubuntu
Mechanical	
Dimensions (WxDxH)	220 x 256 x 176mm(8.66 x 10.08 x 6.93 inches)
Weight (N.W.)	5.6kg(12.35 lb)
Mounting	Wall-mount
Material	Aluminum alloy
Environment	
Operating Temperature	-10 to 50°C (14 to 122°F, with SSD Airflow 0.7m/s)
Storage Temperature	-40 to 80°C (-40 to 176°F)
Relative Humidity	10% to 95% (non-condensing)
Certification	
EMC	CE, FCC Class A

Dimensions



Ordering Information

Part No.	Description
MIC-8422	6xLAN, 4xCOM, 8x USB, 2 x PCI, 1 x PCIe X16 1 x PCIe X4, 1xDP, 1xVGA, 1xHDMI

Update: March 25,2026. Email: sales@darveen.com
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