

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

Overview

The MIC-8211 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
- 6x COM(3xRS-232/485), 4x LAN, 6x USB
- 1x PCIe , 1x PCI
- 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.



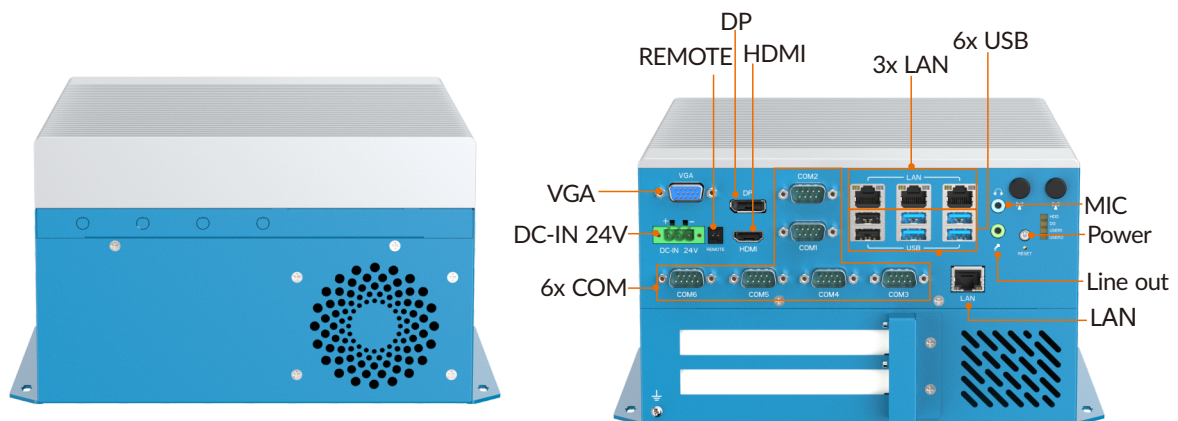
Power Input



PCI/PCIe



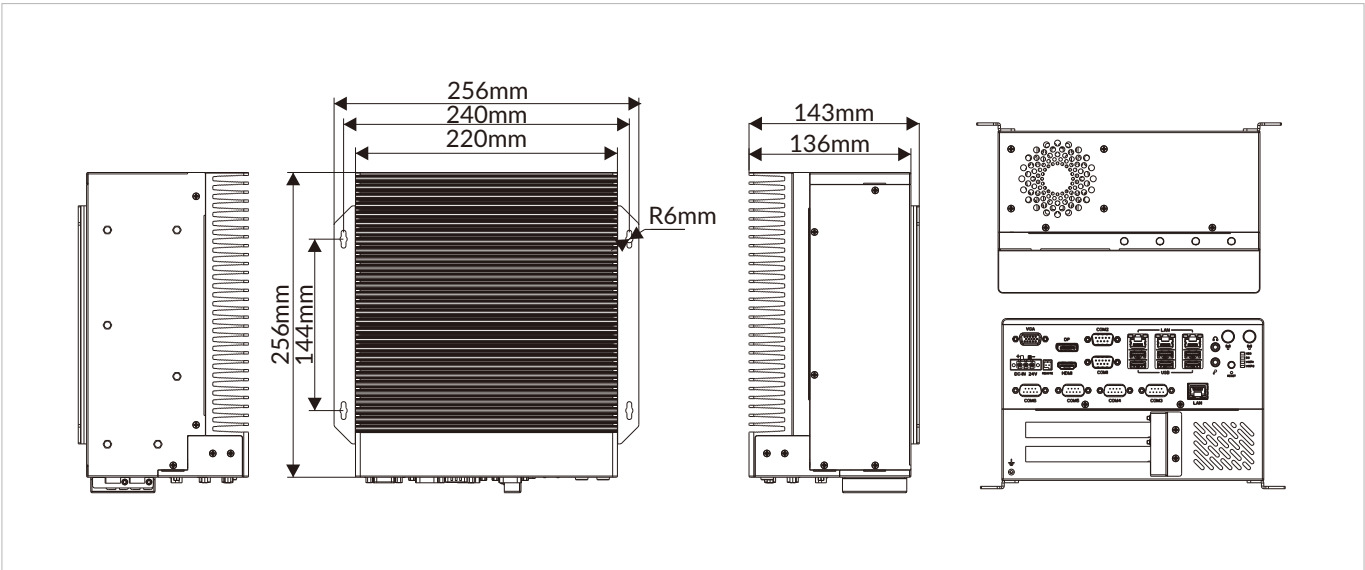
I/O Interfaces



Specifications

System	
CPU	Comet lake S i3/i5/i7/i9
CPU TDP	65W
Chipset	H420E
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, 4x USB3.0
Serial Port	6x COM (3xRS-232/485)
Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT, 1x Intel® i225
Display Port	1x DP, 1x VGA, 1x HDMI
SIM Card Slot	1x SIM
Antenna Hole	6x SMA-type
Expansion Slot	
M.2	1x PCI, 1x PCIe16
RF Communication	2x M.2 M-Key 2280,1x M.2 E-Key 2230 ,1x M.2 B-Key 3052
Wi-Fi	
Cellular	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)
Bluetooth	1x M.2 3052 B-Key (USB3.0)
GNSS	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)
Audio	1x M.2 3052 B-Key (USB3.0)
Audio	
Power	Mic in, line out
Remote Power On/Off	
DC Input	2-Pin remote
Input Type	24VDC
Power Mode	1x 3-pin terminal block connector
Operating System	AT/ATX
Windows	
Linux	Windows 10/11
Mechanical	Ubuntu 22.04
Dimensions (WxDxH)	
Weight (N.W.)	220 x 256 x 136mm (8.66 x 10.08 x 5.35 inches)
Mounting	4.6kg (10.14 lb)
Material	Wall-mount
Environment	Aluminum alloy
Operating Temperature	
Storage Temperature	-10 to 50°C (14 to 122°F, with SSD Airflow 0.7m/s)
Relative Humidity	-40 to 80°C (-40 to 176°F)
Certification	10% to 95% (non-condensing)
EMC	
	CE, FCC Class A

Dimensions



Ordering Information

Part No.	Description
MIC-8211	4xLAN, 6xCOM(3xRS-232/485), 6x USB, 1xPCI, 1xPCIex16, 1xDP, 1xVGA, 1xHDMI