

Modular Industrial Computer with 12/13/14th Gen Intel® Core™ i3/i5/i7 CPU, 6x COM, 3x LAN, 8x USB, 8x USB, 1x PClex 16,1x PCI

Overview

The MIC-9000 Series is a modular industrial computer with 12/13/14th Gen Intel® Core™ i3/i5/i7 CPU. It offers extensive connectivity options, expansion capabilities, control interfaces, and flexible display configurations, making it a versatile and reliable choice for industrial applications.

Features

- 12/13/14th Gen Intel® Core™ i3/i5/i7 CPU
- 6x COM, 3x LAN, 8x USB
- 1x DP, 1x VGA, 1x HDMI
- 1x PCIe16, 1x PCI
- 2x M.2 M-Key 2280 ,1x M.2 E-Key 2230
- 2x 2.5" HDD
- 24V DC power input



Operating Temp.



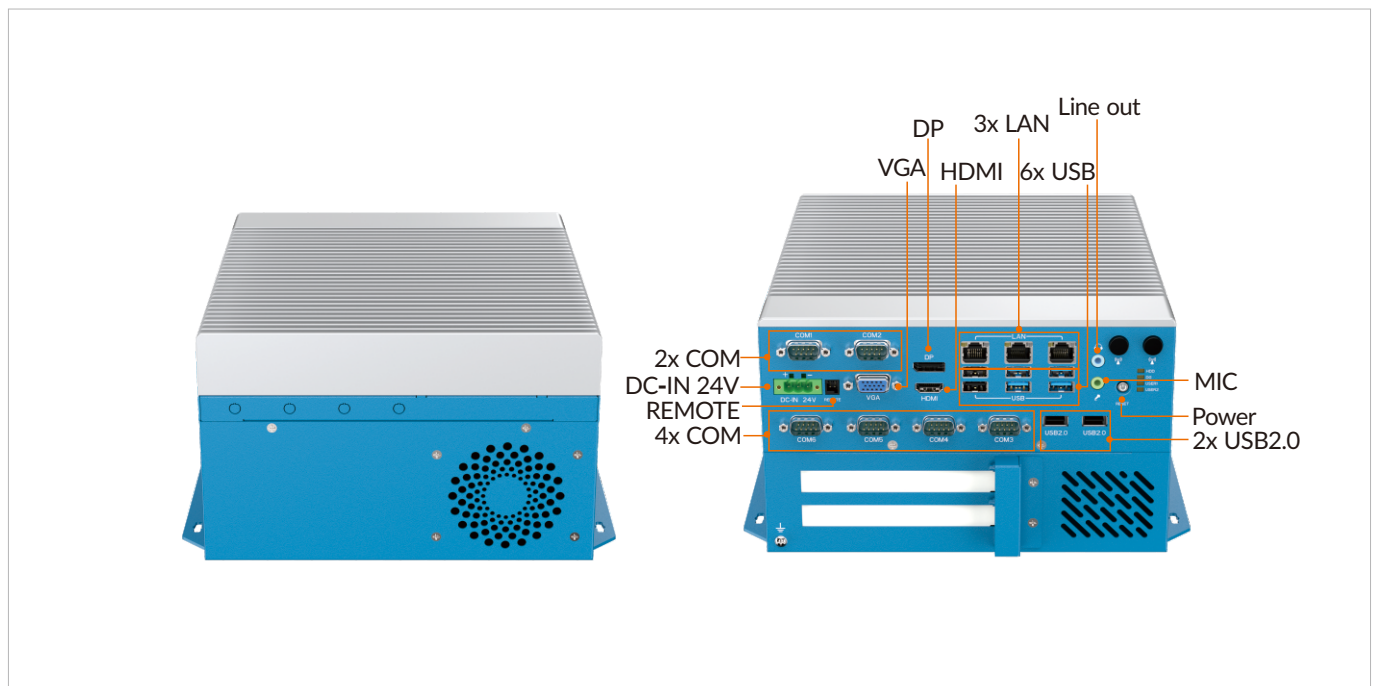
Power Input



Fanless



I/O Interfaces



Specifications

System	
CPU	12/13/14th Gen Intel® Core™ i3/i5/i7
Chipset	Intel® H610/Q670
Memory	2x DDR5 SO-DIMM up to 64GB
Storage	2x M.2 2280 SATA (H610) / 2x M.2 2280 Raid 0/1 (Q670) 2x 2.5" HDD
Graphics	Intel® UHD Graphics 770
BIOS	AMI 128Mbit SPI Flash
TPM	TPM2.0 (optional)
Watchdog Timer	Software programmable supports 256 levels system reset
I/O Ports	
USB	4x USB 2.0, 4x USB3.0 (H610) / 2x USB 2.0, 6x USB3.0 (Q670)
Serial	6x COM (4xRS-232/485)
Ethernet	1x Intel® I219, 2x Intel® I210-AT
Display	1x DP, 1x VGA, 1x HDMI
SIM Card Slot	1x SIM
Antenna	6x SMA-type
CAN bus	2x CAN 2.0 B (optional, Share with M.2 2230)
Expansion Slot	
PCI/PCIe	1x PCI, 1x PCIe16
M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230 1x M.2 B-Key 3042 (Share with M.2 2280)
RF Communication	
Wi-Fi	1x M.2 2230 E-Key
Cellular	1x M.2 3042 B-Key
Bluetooth	1x M.2 2230 E-Key
GNSS	1x M.2 3042 B-Key
Audio	
Audio	Mic in, line out
Power	
Button	Yes
Remote Power On/Off	2-Pin remote
DC Input	24VDC
Power Adaptor	AC-DC, 24V@7.5A, 180W
Power Mode	AT/ATX
Operating System	
Windows	Windows 10/11
Linux	Ubuntu
Mechanical	
Dimensions (WxDxH)	220 x 256 x 136mm (8.66 x 10.08 x 5.36 inches)
Weight (N.W.)	4.6kg (10.15 lbs)
Mounting	Wall-mount
Material	Aluminum alloy
Environment	
Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Relative Humidity	10% to 95% (non-condensing)
Certification	
EMC	CE, FCC, Class A

Technical drawings of the R6 power supply unit showing dimensions and views:

- Front View (Left):** Shows the front panel with dimensions: 256mm (total width), 240mm (width of the fan area), and 220mm (width of the lower section). The height is 256mm, with a 144mm section for the fan area. A small detail shows the fan blades.
- Side View (Middle):** Shows the side profile with dimensions: 143mm (total height) and 136mm (height of the main body). A small detail shows the fan blades.
- Rear View (Right):** Shows the rear panel with a circular fan grille and a small detail showing the fan blades.
- Bottom View (Bottom):** Shows the bottom panel with various connectors and a small detail showing the fan blades.

Part No.	Description
C.02.009.000150	110-240 VAC Input, 24VDC/7.5A Output, 180W, Phoenix 3P Terminal Block Connector(5.08)

Part No.	Description
MIC-9111	Industrial Modular Computer with 12/13/14th Gen Intel® Core™ i3/i5/i7 CPU, 3x LAN, 6x COM (4xRS-232/485), 8x USB, 1x DP, 1x VGA, 1x HDMI, 1x PCI, 1x PCIe16