MIC-9X02GLF

Modular Industrial Computer with 14th–12th Gen Intel® Core™ i7/i5/i3 CPU, 2x PCIe/PCI, and supporting a full-length GPU card up to 300 W

Overview

The Darveen MIC-9X02GLF Seriesis a high-performance modular industrial computer powered by the latest 14th–12th Gen Intel® Core™ i7/i5/i3 processors,delivering exceptional computing performance for advanced industrial workloads. The MIC-9X02GLF Seriesprovides rich connectivity with multiple COM ports, multiple LAN ports, and multiple display interfaces including VGA, HDMI, and DisplayPort, along with wireless modules such as Wi-Fi, 4G LTE, and 5G. To meet the demands of AI computing applications, it offers 1 PCIe x16 and 1 PCIe x4 expansion slots and supports a full-length GPU card up to 300W to accelerate AI workloads, making it ideal for Industrial IoT, machine vision, and factory automation applications.

Features

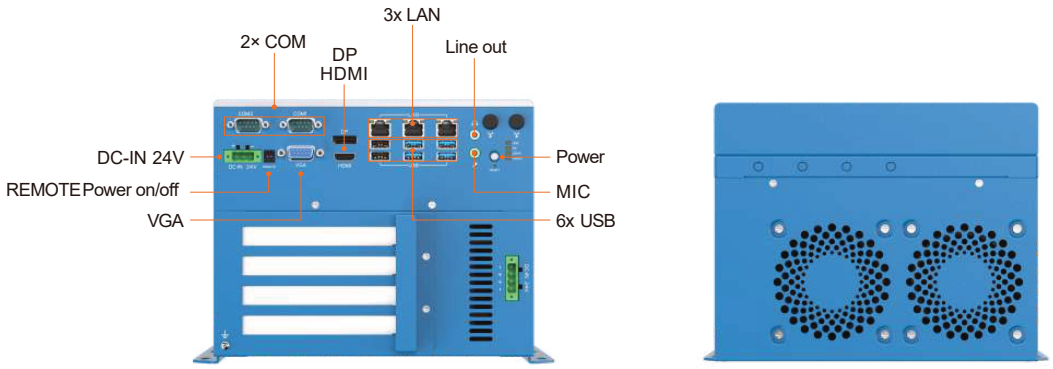
- 14th-12th Gen Intel® Core™ i7/i5/i3 processor
- 1x PCIe x16, 1x PCIe x4
- Supports a full-length GPU card up to 300W, 60 mm in width and 330 mm in length, for AI applications
- 2xM.2 2280 SATA, 2x removable 2.5" HDD, RAID 0/1
- Multiple optional COM/LAN Interfaces
- 24V DC power input



Wide Temperature | Rich I/O | Customizable I/ O Board | Cable-less | PCIe Expansion

I/O Interfaces

MIC-9002GLF

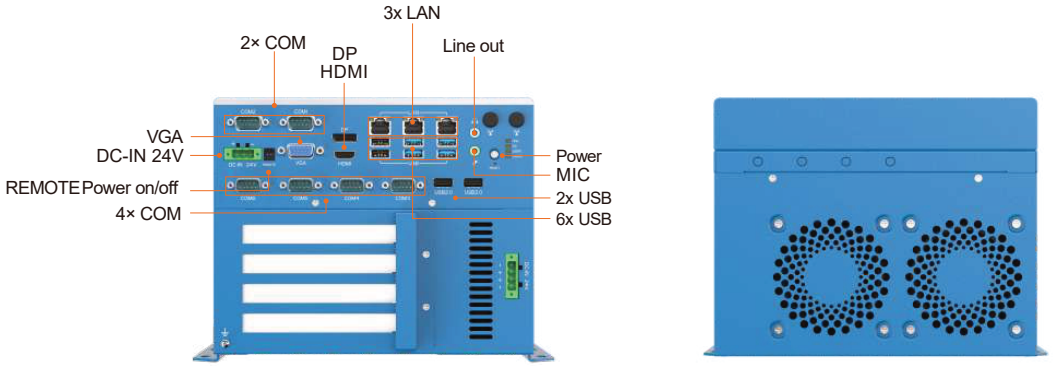


Sistemi Avanzati Elettronici S.r.l.
Via Marconi, 11D - 13836 Cossato (BI)
+39 015 983206 | info@sisav.it | www.sisav.it

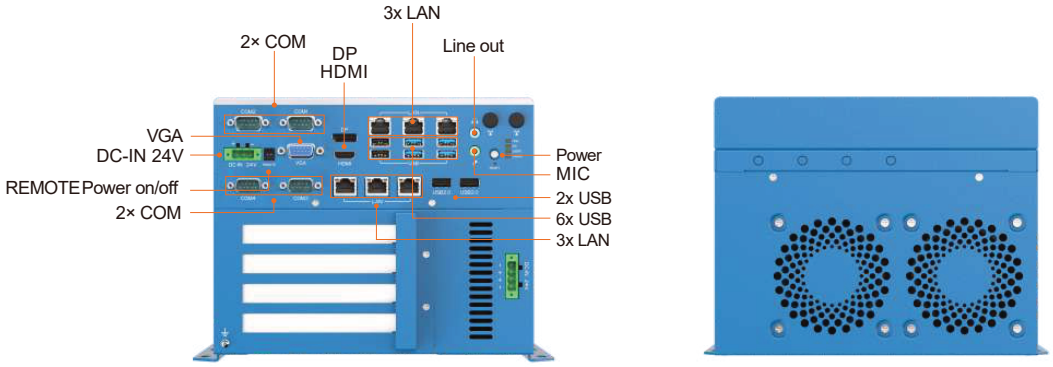
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I/O Interfaces

MIC-9102GLF



MIC-9402GLF



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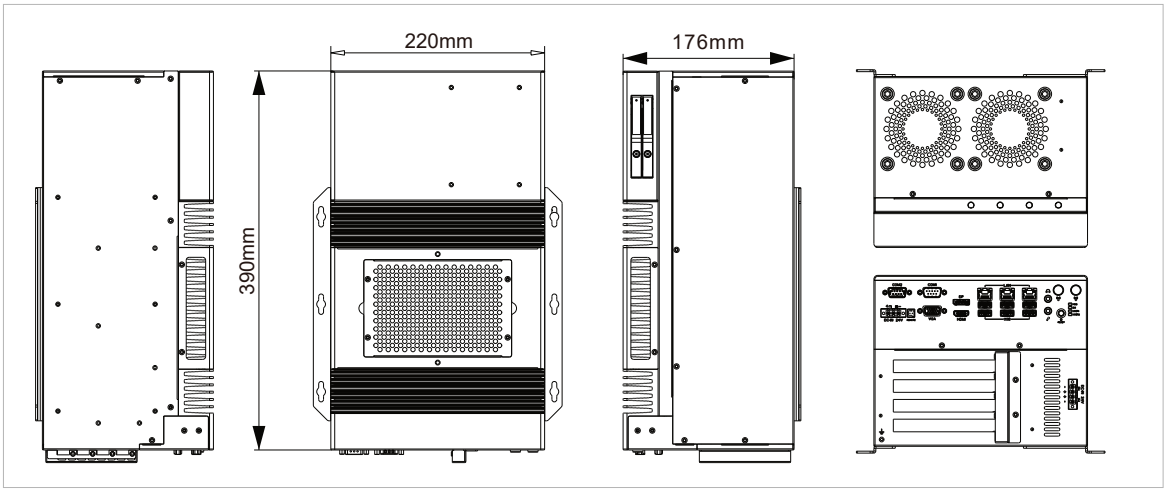
Specifications

System	MIC-9002GLF	MIC-9102GLF	MIC-9402GLF
CPU	14th/13th/12th Gen Intel® Core™ i7/i5/i3		
CPU TDP	65W		
Chipset	Intel® Q670		
Memory	2x DDR5 SO-DIMM up to 64GB		
Storage	2xM.2 2280 SATA, 2x removable 2.5" HDD, RAID 0/1		
Graphics	Intel® UHD Graphics 770		
BIOS	AMI 128Mbit SPI Flash		
TPM	TPM2.0 (op.ional)		
Watchdog Timer	So[ware programmable supports 256 levels system reset		
I/O Ports			
USB Port	6x USB 3.0	2× USB 2.0, 6 ×USB 3.0	
Serial Port	2x COM (1x RS-232/485, 1x RS-232)	6x COM (4x RS-232/485, 2x RS-232)	4x COM (1x RS-232/485, 1x RS-485, 2x RS-232)
Ethernet	1x Intel® I219, 2x Intel® I210-AT		1x Intel® I219, 5x Intel® I210-AT
Display Port	1x DP1.4a (up to 4096 x 2304@60Hz), 1x HDMI (up to 4096 x 2160@60Hz), 1x VGA (up to 1920 x 1200@60Hz). Supports triple independent displays		
SIM Card Slot	1x SIM		
Antenna Hole	6x SMA-type		
CAN bus	2x CAN 2.0B (op.onal, sharewith M.2 2230)		
Expansion Slot			
PCI/ PCIe	1x PCIe x16, 1x PCIe x4 (x2 signal) Supports a full-length GPU card up to 300W, with 60 mm width and 330 mm length		
M.2	2x M.2 M-Key 2280, 1x M.2 E-Key2230, 1x M.2 B-Key 3042 (sharewith 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			
Bu□on	Yes		
Remote Power On/Off	2-Pin remote		
DC Input	24 VDC		
Power Mode	AT/ATX		
Operating System			
Windows	Windows 10/11		
Linux	Ubuntu		
Mechanical			
Dimensions (WxDxH)	220 x 390 x 176mm (8.66 x 15.35 x 6.93 inches)		
Weight (N.W.)	7.6kg (16.76lbs)		
Moun.ng	Wall-mount		
Material	Aluminum alloy		
Environment			
Opera.ng Temperature	-10°C to 50°C (14°F to 122°F, with SSDAirflow 0.7m/s)		
Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
Rela.veHumidity	10% to 95% (non-condensing)		
Certification			
EMC	CE, FCC Class A		

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MIC-9X02GLF

Dimensions



Ordering Information

Part No.	Description
MIC-9002GLF-Q670-A0	Modular Industrial Computer with 14th–12th Gen Intel® Core™ i7/i5/i3, 3x LAN, 2x COM, 6x USB, 1x DP, 1x VGA, 1x HDMI, 1x PCIe x16, 1x PCIe x4, 300W Power
MIC-9102GLF-Q670-A0	Modular Industrial Computer with 14th–12th Gen Intel® Core™ i7/i5/i3, 3x LAN, 6x COM, 8x USB, 1x DP, 1x VGA, 1x HDMI, 1x PCIe x16, 1x PCIe x4, 300W Power
MIC-9402GLF-Q670-A0	Modular Industrial Computer with 14th–12th Gen Intel® Core™ i7/i5/i3, 6x LAN, 4x COM, 8x USB, 1x DP, 1x VGA, 1x HDMI, 1x PCIe x16, 1x PCIe x4, 300W Power

Optional Accessories

Part No.	Description
A.02.001.000069	480W Power Adapter, 100-240 VAC Input, 24 VDC/20A Output, Phoenix 3Px2 Terminal Block Connector (5.08)

Update: Mar. □□,□□□□Email:sales@darveen.com
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