MIC-330V2

3U CompactPCI® Serial Intel® 11th Gen. Processor Blade



Features

- 11th Gen. Intel® XEON/Core processor with RM590E PCH
- Up to 64 GB DDR4 by two channels, with ECC/non-ECC options
- Up to 3 x 10 Gbps USB Type-C, 2 in 3 display port alternate mode enabled
- Up to 4 x Ethernet ports on front panel: 2 x 2.5 Gbps RJ45 ports on 4HP, another 2 x M12 X-coding ports with 1 Gbps speed on Mezzanine-2 card
- Up to 2 x M.2 sockets for SATA 3.0 SSD module on MIC-330V2: 2 x M.2 sockets on Mezzanine-1 Card and customizable Mezzanine-3 Card 1 x M.2 socket on Mezzanine-2 Card
- Reserved Fe-RAM, and super cap. on MIC-330V2 with Mezzanine-2 card
- Up to 4 x 2.5 Gbps Ethernet, 2 x UART, 1 x HDMI, 1 x I2C, 5 x GPIO signals to rear BP by P6 on customizable Mezzanine-3 card
- Designed to meet EN50121-4, EN50121-3-2 and EN50155
- PICMG CompactPCI Serial(CPCI-S.0 R2.0) compliant

Introduction

The Advantech MIC-330V2 series utilizes 11th Generation Intel® Tiger Lake-H 10nm technology for high performance and energy efficiency. This 3U CompactPCI serial processor blade comes with an 8-core, 16-thread XEON or Core i7 processor. It's paired with Intel's RM590E PCH, supporting dual-channel 64 GB DDR4-3200 ECC RAM. Of this, 32 GB is onboard for rugged applications, and an additional 32GB can be added via the SODIMM socket.

The 4HP front panel of the MIC-330V2 features three 10Gbps USB Type-C ports, with USB1/USB2 also supporting DisplayPort Alternate Mode, and two 2.5 Gbps RJ-45 Ethernet ports with TSN/TCC functions. AMT is available upon user request.

For local expansion, three types of mezzanine cards are suggested. Configuration-1 with card M-1(short for Mezzanine-1) supports two 2280 M.2 sockets for SATA 3.0 SSDs. Configuration -2 with M-2(short for Mezzanine-2) supports two M12 X-code GbE Ethernet ports, one 2280 M.2 socket for a SATA 3.0 SSD, reserved Fe-RAM and a super capacitor function. Configuration-3 with card M-3(short for Mezzanine-3), customizable by user request, supports two 2280 M.2 sockets for SATA 3.0 SSDs, 4 x 2.5 Gbps Ethernets, 2 x UART, 1 x HDMI, 1 x I2C, 5 x GPIO signals to rear BP by P6.

The MIC-330V2 also offers high-speed I/O options, including up to 2 x PCle x8, 4 x PCle x4, 2 x PCle x1, 4 x USB 3.2, 8 x USB 2.0, 2 x SATA, and up to 4 x 2.5 Gbps Ethernets to the CompactPCI Serial backplane. This allows for high-speed peripheral expansion like graphics, storage, Ethernet, COM, WiFi, and 4G/5G.

Thermal dissipation is optimized through three heatsink options, depending on the airflow. The full-size heatsink supports up to 32GB of memory down, while the half-size heatsink allows for a total of 64 GB memory.

Designed for excellent thermal and EMC performance, the MIC-330V2 is ideal for harsh environments, making it suitable for railway rolling stock and high-performance computing applications.

Specifications

Processor System Intel® xon® W-11865MLE, 8C/16T, TDP 45 W/35 W, ECC Intel® xon® W-11505MEE 6C/12T, TDP 45W/35 W, ECC Intel® Xon® W-120 KD, Exc Intel® Xon® W-120 KD, Exc Intel® Xon® W-120 KD, Exc Intel® Xon® W-120 KD, Exc Intel® Xon® W-2000FE (CCC) VIS VER VIS VER XON WAS X2 GB via SODIMM socket) Memory Intel® Xon® W-1105D KD, Exc Intel® Xon® W-2000FE (CCC) VIS VIS VIS VER XON WAS X2 GB via SODIMM socket) Arrow Controler Intel® Xon® W-2000FE (CCC) VIS VIS VIS VER XON WAS X2 GB via SODIMM socket) Arrow VIS VIS X2 CO GO H2 VIS VIS X2 CO GO H2 Ethernet Intel Xon Con Control VIS RC An support DisplayPort Alternate Mode, reserved 1 x HDMI signal to P6 connector on M-3 Card 2 x 1000BASE-T NI42 on front BHP parel with M-2 Card 2 x 1000BASE-T NI42 On front BHP parel with M-2 Card 2 x 1000BASE-T NI42 Con Control WF Parel with M-2 Card 2 x 1000BASE-T INT 2 con front BHP parel with M-2 Card 2 x 1000BASE-T INT 2 con front BHP parel with M-2 Card 2 x NU42 X-coding to front BHP, With T Gbps yeed on M-2 card 2 x NU42 X-coding to front BHP, With T Gbps yeed on M-2 card 2 x charales to DEOLS 5 backetee USB 1/USB 2 downstera			
PCH Intel [®] PMS90E Chipset BIOS AMI 256 Mb SPI flash Memory Max. Capacity Up to 64 GB (Max. 32 GB on board, Max. 32 GB via SODIMM sockel) Graphics Controller Intel [®] UHO Graphics for 11th Gen Intel [®] processors Graphics Controller Intel [®] UHO Graphics for 11th Gen Intel [®] processors Brachuton DP. 7680 x 4320 @ 60 Hz SUB 1/USB 2 can support DisplayPort Alternate Mode, reserved 1 x HDMI signal to P6 connector on M-3 Card Brachuton DP. 7680 x 4320 @ 60 Hz Via to six Ethernet in total 2 x 5GBASE-T RL45 on front panel P x 0000 ASE-T IN 2 on front BHP panel with M-2 Card 2 x 5GBASE-T RL45 on front panel 2 x 5GBASE-T to P6 connector on customizable M-3 Card Ethernet Controller Intel 226 2.5 Gbps Ethernet controller 1 the 12 20 1 Gbps Sthernet controller Intel 1262 2.5 Gbps Ethernet controller Intel 12 10 1 Gbps Ethernet controller 1 the 12 20 1 Gbps Sthernet controller Intel 12 0 2 x channels on board 2280 M2 type module (M-Key socket) 2 x AH2 x-coding to front 8HP, with 1 Gbps speed on M-2 card Storage Mode SATA III US 10 US 2 support 1 Gbps 2 C3 Gbps Via Channels Via Channels to CPCI-S backplane 2 x channels to CPCI-S backplane <td rowspan="3">Processor System</td> <td>CPU</td> <td>Intel® Xeon® W-11865MLE, 8C/16T, TDP 25 W, ECC Intel® Xeon® W-11865MRE, 8C/16T, TDP 45 W/35 W, ECC Intel® Xeon® W-11555MRE, 6C/12T, TDP 45W/35W, ECC Intel® Core™ I7-11850HE, 8C/16T, TDP 45W/35W, non-ECC</td>	Processor System	CPU	Intel® Xeon® W-11865MLE, 8C/16T, TDP 25 W, ECC Intel® Xeon® W-11865MRE, 8C/16T, TDP 45 W/35 W, ECC Intel® Xeon® W-11555MRE, 6C/12T, TDP 45W/35W, ECC Intel® Core™ I7-11850HE, 8C/16T, TDP 45W/35W, non-ECC
BIOS AMI 256 Mb SPI flash Memory Technology DDR4 3200 ML2, Dual Channel and ECC support (optional) Max. Capacity Up to 64 GB (Max. 32 GB on board, Max. 32 GB via SODIMM socket) Graphics Controller Intel® UHD Graphics for 11th Gen Intel® processors Graphics Controller Intel® UHD Graphics for 11th Gen Intel® processors Bitter Connector 2 x USB Type-C ports: USB 1/USB 2 can support DisplayPort Alternate Mode, reserved 1 x HDMI signal to P6 connector on M-3 Card Bitter Connector 2 x USB Type-C ports: USB 1/USB 2 can support DisplayPort Alternate Mode, reserved 1 x HDMI signal to P6 connector on M-3 Card Bitter Connector 2 x USB Asc. TR M45 on front ganel 2 x 1000BASE-T Th 10 can Bitter Controller Intel 1226 2.5 Gbps Ethernet controller 10 Cannector 2 x N102 KBST TM 12 on tront BHP ganel with M-2 Card Controller Intel 1226 2.5 Gbps Ethernet controller 10 Res 21 To 16 Gbps Ethernet controller 10 Res 21 To 16 Gbps Ethernet controller Intel 1226 2.5 Gbps Start 2 x N12 X-coding to front 8HP, with 1 Gbps Speed on M-2 card 2 x M12 X-coding to front 8HP, with 1 Gbps Speed on M-2 card Storage Mode SATA III Storage Storage Storage Stront Storage Cop ofs Storage Stront Storage Cop of Storage Storag		PCH	Intel® RM590E Chipset
Memory Technology DDR4 3200 MHz, Dual Channel and ECC support (optional) Max. Capacity Up to 64 GB (Max. 32 GB on board, Max. 32 GB via SODIMM socket) Graphics Controller Intel® UHD Graphics for 11th Gen Intel® processors V/ O connector 2 x USB Type-C ports: USB 1/USB 2 can support DisplayPort Alternate Mode, reserved 1 x HDMI signal to P6 connector on M-3 Card Pesclution DP: 7680 x 4320 @ 60 Hz Processors Intel® Connector 2 x USB Type-C ports: USB 1/USB 2 can support DisplayPort Alternate Mode, reserved 1 x HDMI signal to P6 connector on M-3 Card Pesclution DP: 7680 x 4320 @ 60 Hz Processors 2 x 1000BASE-T To P6 connector on Customizable M-3 Card 2 x 25GBASE-T RV45 on front panel 2 x 1000BASE-T To P6 connector on Customizable M-3 Card 2 x 1000BASE-T To P6 connector on customizable M-3 Card 2 x 1000BASE-T To P6 connector on Customizable M-3 Card 2 x 1000BASE-T To P6 connector on Customizable M-3 Card 2 x 000BASE-T To P6 connector on M-1 & M-2 Card 2 x 1000BASE-T To P6 connector on M-1 & M-2 Card 2 x 000BASE-T To P6 connector on M-1 & M-2 Card 2 x M45 to front HPP support 1 Gbps 2.5 Gbps 2 x M12 X-coding to front BHP, with 1 Gbps 2.5 Gbps 2 x M12 X-coding to front BHP, with 1 Gbps 2.5 Gbps 3 to Gbps USB Type-C ports 2 x channels t		BIOS	AMI 256 Mb SPI flash
Mathematical Max. Capacity Up to 64 GB (Max. 32 GB on board, Max. 32 GB on Max. 32 GB on board, Max. 32 GB on Max	Memory	Technology	DDR4 3200 MHz, Dual Channel and ECC support (optional)
Graphics Controller Intel® UHD Graphics for 11th Gen Intel® processors Graphics 2 x USB Type-C poits: USB 1/USB 2 can support DisplayPort Alternate Mode, reserved 1 x HDMI signal to P6 connector on M-3 Card Resolution DP: 7680 x 4320 @ 60 Hz Up to six Ethernet in total 2 x 25GBASE-T RJ45 on front panel 2 x 1000BASE-T To P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T To P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on Customizable M-3 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x N45 to front 4HP support 1 Gbps / 2.5 Gbps 2 x RJ45 to front 4HP support 1 Gbps / 2.5 Gbps 2 x M12 X-coding to front 8HP, with 1 Gbps speed on M-2 card 2 x channels to CPCI-5 back/pane 3 To Gops USB Type-C ports USB 1/USB 2 support DisplayPort Alternate Mode USB HUSB 2 support DisplayPort Alternate Mode USB 1/USB 2 Support DisplayPort Alternate Mode USB HUSB		Max. Capacity	Up to 64 GB (Max. 32 GB on board, Max. 32 GB via SODIMM socket)
Graphics I/0 Connector 2 x USB Type-C ports: USB 1/USB 2 can support DisplayPort Alternate Mode, reserved 1 x HDMI signal to P6 connector on M-3 Card Resolution DP: 7680 x 4320 @ 60 Hz Up to six Ethernet in total 2 x 2.5GBASE-T RJ45 on front panel 2 x 1000BASE-T NI2 on front Panel 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card, reserved 4 x 2.5GBASE-T to P6 connector on customizable M-3 Card Ethernet Controller Intel i226 2.5 Gbps Ethernet controller Intel i226 2.5 Gbps Ethernet controller Intel i226 1 Gbps Ethernet controller Intel i226 1 Gbps Ethernet controller Intel i226 1 Gbps Ethernet controller V/O Connector 2 x RJ45 to front 4HP support 1 Gbps / 2.5 Gbps 2 x M12 X-coding to front 8HP, with 1 Gbps speed on M-2 card Storage Mode SATAI III Storage USB USB VDE-C ports USB USB z support DisplayPort Alternate Mode USB 1/USB 2 downstream ports 5//3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream ports 5//3 A (maximum power not concurrently available on any port); USB-PD of USB 3 downstream port 5//1.5 A Front I/O 2 RJ45 2.5 GbE on 4HP, 2 x M12 GbE on 8HP when configure with M-2 card UAN 2 RJ45 2.5 GbE		Controller	Intel® UHD Graphics for 11th Gen Intel® processors
Resolution DP: 7680 x 4320 @ 60 Hz Up to six Ethernet in total Up to six Ethernet in total 2 x 1000BASE-T RI45 on front panel 2 x 50BASE-T RI45 on front panel 2 x 1000BASE-T M12 on front 8HP panel with M-2 Card 2 x 1000BASE-T to P6 connector on M-1 & M-2 Card 2 x 1000BASE-T M12 on front 8HP panel with M-2 Card 2 x 1000BASE-T to P6 connector on customizable M-3 Card Controller Intel i220 2 S Gbps Ethernet controller Intel i210 1 Gbps Ethernet controller Intel i210 1 Gbps Ethernet controller Intel i210 1 Gbps Ethernet controller Intel i210 1 Gbps Ethernet controller Mode SATA III Channels 2 x channels onboard 2280 M.2 type module (M-Key socket) 2 x channels to CPCI-S backplane 3 10 Gbps USB Type-C ports USB USB 1/USB 2 support DisplayPort Alternate Mode USB 1/USB 2 downstream port 5 V/1.5 A USB 1/USB 2.5 Gb con 4HP 2 x M12 Gb con 8HP when configure with M-2 card TSWTCC capable, AMT function reserved by user request TSWTCC capable, AMT function reserved by user request Front Panel LEDs 1 x blue/crange for hot swap/HDD, 1 x green for master/drone Buttons System reset button	Graphics	I/O Connector	2 x USB Type-C ports: USB 1/USB 2 can support DisplayPort Alternate Mode, reserved 1 x HDMI signal to P6 connector on M-3 Card
Ethernet Interface 2 x 25GBASE-T R145 on front panel 2 x 1000BASE-T M12 on front BHP panel with M-2 Card 2 x 1000BASE-T to P6 connector on customizable M-3 Card Ethernet Controller Intel i226 2.5 Gbps Ethernet controller Intel i226 2.5 Gbps Ethernet controller V0 Connector 2 x R145 to front 4HP panel with M 1 Gbps speed on M-2 card Storage Mode SAT II Channels 2 x channels nobard 2280 M.2 type module (M-Key socket) 2 x channels to CPCI-S backplane Storage USB 310 Gbps USB Type-C ports USB-PD of USB Type-C ports USB-PD of USB 1/USB 2 downstream ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 3 downstream ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 3 downstream ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 3 downstream ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 3 downstream ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 3 downstream ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 3 downstream ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 3 downstream port 5 V/1.5 A Ethernet LEDs 1 x blue/orange for hot swap/HDD, 1 x green for master/drone Buttons <t< td=""><td></td><td>Resolution</td><td>DP: 7680 x 4320 @ 60 Hz</td></t<>		Resolution	DP: 7680 x 4320 @ 60 Hz
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Storage Channels Up to 2 x channels onboard 2280 M.2 type module (M-Key socket) 2 x channels to CPCI-S backplane Front I/O 3 10 Gbps USB Type-C ports USB 3 10 Gbps USB Type-C ports USB 1/USB 2 support DisplayPort Alternate Mode USB-PD of USB 1/USB 2 downstream port 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream port 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream port 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream port 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream port 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream port 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream port 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream port 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream port 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 1/USB 2 downstream port 5 V/1.5 A LAN 2 RJ45 2.5 GbE on 4HP, 2 x M12 GbE on 8HP when configure with M-2 card TSV/TCC capable, AMT function reserved by user request Front Panel LEDs 1 x blue/orange for hot swap/HDD, 1 x green for power, 1 x green for master/drone Buttons System reset button	Storage	Mode	SATA III
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Finit //O 2 RJ45 2.5 GbE on 4HP, 2 x M12 GbE on 8HP when configure with M-2 card TSN/TCC capable, AMT function reserved by user request Front Panel LEDs 1 x blue/orange for hot swap/HDD, 1 x green for power, 1 x green for master/drone Buttons System reset button	Front I/O	USB	3 10 Gbps USB Type-C ports USB 1/USB 2 support DisplayPort Alternate Mode USB-PD of USB 1/USB 2 downstream facing ports 5 V/3 A (maximum power not concurrently available on any port); USB-PD of USB 3 downstream port 5 V/1.5 A
Front Panel LEDs 1 x blue/orange for hot swap/HDD, 1 x green for power, 1 x green for master/drone Buttons System reset button		LAN	2 RJ45 2.5 GbE on 4HP, 2 x M12 GbE on 8HP when configure with M-2 card TSN/TCC capable, AMT function reserved by user request
Buttons System reset button		Front Panel LEDs	1 x blue/orange for hot swap/HDD, 1 x green for power, 1 x green for master/drone
		Buttons	System reset button

Specifications (Cont.)

CompactPCI Serial Backplane Resources	PCIe	2 x PCle3.0 x8, 4 x PCle3.0 x4, 2 x PCle3.0 x1						
	SATA	2 x SATA 3.0						
	LICD	4 x USB 3.2 @ 5 Gbps speed						
	030	8 x USB 2.0 @ 480 MHz speed						
	GbE	2 x GbE to P6 on M-1 & M-2 Card, reserved 4 x 2.5 GbE to P6 on custor	nizable M-3 Card					
	P1	1 x PCle3.0 x4 of lower 4-Lane, 1 x USB 3.2 gen 1, 1 x USB 2.0						
	P2	1 x PCIe3.0 x4 of upper 4-Lane, 1 x PCIe3.0 x8, 3 x USB 2.0, Update to 5 x GPIO						
To D1 D6 Cignal	P3	3 x USB 3.2 gen 1, 4 x USB 2.0, 2 x SATA 3.0, 1 x DP signal reserved						
iur i=ru siyilai	P4	4 x PCle3.0 x4						
	P5	2 x PCle3.0 x1, 5 x PCle clock REQ						
	P6	2 x GbE on M-1 & M-2 Card, up to 4 x 2.5 GbE on customizable M-3 Ca	rd					
BIOS	Boot Options	SATA, USB, network (PXE)						
Watahdag Timor	Output	Local reset						
watchuog miner	Interval	Programmable						
Security	Trusted Platform Module	TPM 2.0 support						
Operating System	Compatibility	Windows 10, Windows 11, Ubuntu 22.04, VxWorks						
Dower Dequirement	Configuration	CPU TDP 25W/45W						
rowei nequitettetti	Consumption	46W/66W						
Physical	Dimension & Weight	4HP or 8HP, 160.00 mm x 100.00 mm						
Environment		Operating(depending on forced airflow)	Non-operating					
		-40°C ~ 70°C (-40°F ~ 158°F) (EN50155 OT4 +85 °C for						
	Temperature	10 minutes), industrial product support	-40°C ~ 85°C (-40°F ~ 185°F)					
		-25 ~ 70°C (-13°F ~ 158°F), commercial product support						
	Humidity	95% @ 40°C, non-condensing	95 % @ 60°C, non-condensing					
	Vibration	2 Grms, random (5 Hz ~ 500 Hz)						
	Shock	10 G, 11 ms, each axis three times, operation mode						
Regulatory	Conformance	FCC Class A, CE, FCC, UKCA, RoHS						
Compliance	Standards	PICMG [®] CompactPCI [®] Serial						

Supported CPU Configurations

Intel [®] CPU Model Number	# Cores	Cache	Max Turbo Frequency	Configurable TDP-up/TDP-down	Memory Types	ECC Support	Indutrial Support (-40°C ~70°C)
Intel [®] Xeon [®] W-11865MLE	8	24 MB	4.5 GHz	25 W	DDR4-3200	Yes	No
Intel [®] Xeon [®] W-11865MRE	8	24 MB	4.7 GHz	45 W / 35 W	DDR4-3200	Yes	Yes
Intel [®] Xeon [®] W-11555MRE	6	12 MB	4.5 GHz	45 W / 35 W	DDR4-3200	Yes	Yes
Intel [®] Core [™] i7-11850HE	8	24 MB	4.7 GHz	45 W / 35 W	DDR4-3200	No	No

Ordering Information

	Front Panel			Onboard Features				Others			
System Board	LAN (RJ45)	USB (Type-C)	LAN (M12)	CPU	Memory Onboard	SODIMM Socket	ECC	SATA(M.2)	Width Height	To P6 Conn. GbE Signal	ТРМ
MIC-330V2-A1S1	2	3	-	Xeon® W-11865MLE	32 GB	Max. 32 GB	Yes	2	4HP	2	Yes
MIC-330V2-B1S1	2	3	-	Core™ i7-11850HE	32 GB	-	No	2	4HP	2	No
MIC-330V2-C1S1	2	3	-	Xeon® W-11865MRE	32 GB	Max. 32 GB	Yes	2	4HP	2	Yes
MIC-330V2-B2D1	2	3	2	Core™ i7-11850HE	32 GB	Max. 32 GB	No	1	8HP	2	Yes

Remark: Please consult with local sales for Industrial product.

Related Products

Peripheral Board	Description
MIC-3954D Series	3U CPCI-Serial quad Mini-PCIe carrier board
MIC-3954E Series	3U CPCI-Serial quad M.2 (1x E-Key, 3 x B-Key) carrier board for Wi-Fi/LTE/ GPS module
MIC-3954F	3U CPCI-S 4 x USB typeA, 2 x M.2 E key carrier board
MIC-3810 Series	3U CPCI-Serial PCIe x8/x16 carrier board
MIC-3820 Series	3U CPCI-Serial 2.5" SATA SSD carrier board
MIC-3811 Series	3U CPCI-Serial dual mini PCIe carrier to carrier i-Door module like DIO/AIO/ CAN/COM/Wi-Fi, etc
MIC-3860 Series	3U CPCI-Serial quad RJ45 or 4 M12 2.5 Gbps LAN board, with PoE support option
MIC-3861 Series	3U CPCI-Serial 10 Gigabit Ethernet Board
MIC-3840-A1S1	3U CPCI-Serial 8-port DB62 COM Board
MIC-3812 Series	3U CPCI-Serial MXM carrier board for type A/B/B+ module
MIC-3821 Series	3U CPCI-Serial quad M.2 M-Key NvME carrier board
MIC-300A Series	3U CPCI-Serial 84HP/44HP width, 3U/4U height chassis, with 8 slots backplane & mini fan
MIC-3890DC	3U CPCI-Serial DC-DC power module, module, 110V in / 12V out, 300W
MIC-3890AC	3U CPCI-Serial AC-DC power module, 12 V & 5 V output, 300 W

Product Image

MIC-330V2-A1S1/MIC-330V2-B1S1/MIC-330V2-C1S1

