IAP-M47-4U

4U Rack Mounted Industrial Automation Platform with Intel® Core™ 200S Series and 14/13/12th Gen Core™ Processors and 7 PCIe expansion slots



Features

- IPC system with global UL, CE safety certificate
- Intel® Core™ 200S Series and 14/13/12th Gen Core™ Processors, up to 125W
- Flexible configuration offers Barebone PC and IPC System SKU options
- Seven full PCIe slots with 1 x PCIex16 Gen 5, three Intel® 2.5 Gigabit LAN, five USB 3.2 Gen2 with one Type C, and one M.2 25110 NVME PCIe Gen 4

Ordering Information

P/N	PSU	Chassis	Motherboard	CPU	DRAM
IAP-M47-4U_SKU1 Barebone PC	750W	RK-620MB	IMB-M47	X	X
IAP-M47-4U_SKU2 IPC System	750W	RK-620MB	IMB-M47	I9-12900E	DDR5 4800 8GB x 2pc

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Specifications

Processor & System	CPU	Intel® Core™ 200S Series and 14/13/12th Gen Core™ Processors, up to 125W
	Memory	DIMM Type/ Frequency 4x 288-pin Dual Channel Non-ECC DDR5 4800/5600 MHz (Speed Depends on CPU and DRAM)
	Max. Capacity	Max. to support 128GB
Display	Multi Display	Triple Display
	DisplayPort	1x DP++ connector (rear I/O), resolution up to 4096 x 2160@60Hz
	HDMI	1x HDMI connector (rear I/O), resolution up to 4096 x 2160@60Hz
	VGA	1x VGA connector (rear I/O), resolution up to 1920 x 1200@60Hz
Ethernet	Gbe Port	3
	Controller/ Frequency	Intel® I226 V/LM (2.5 Gigabit)
I/O Ports	USB	5x USB 3.2 Gen2, 1x USB 3.2 Gen2x2 (Connector type: Type C) 2x USB 3.1 via header, 2x USB 2.0 via header, 2x vertical USB 2.0 connectors
	Serial Ports	2x RS-232/422/485 (rear I/O) 4x RS-232 pin headers
	M.2	1x M.2 (Key M, up to 25110) with PCIe x4 Gen4 1x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi 1x M.2 (Key B, 3042/3052) with PCIe x1, USB 3.2 Gen1, USB 2.0 and SIM 1x SIM socket connected to M.2 Key B
	SATA	8x SATA3 (6Gb/s)
	GPIO	8x GPI, 8x GPO (shared with LPT header)
Expansion Slots	PCIe	2x PCIe x16 slots (Gen5, single x16 card in PCIE1,or two x8 cards in PCIE 1 and PCIE4, PCIE1 supports riser card x8/x8) 2x PCIe x4 (Gen4) 3x PCIe x1 (Gen3)
TPM		Yes
Form Factor	Dimension	427 mm (W) x 177 mm (H) x 447.9 mm(D)
Power Supply		600W, 750W, 1200W, support up to 2,000W
OS Support		Windows 10/11 IoT, Linux
System Spec	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Vibration Operating	OP: 5 ~ 500 Hz, 1 Grams Non-OP: 5 ~ 500 Hz, 2 Grams
	Shock Operating	OP shock test: 20 G, 11m duration
	EMC	CE and FCC class B
	RF	N/A
	Safety	UL 62368-2

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