IAP-E47-4U

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



Features

- IPC system with global CE safety certificate
- Intel® Core™ 200S Series and 14/13/12th Gen Core™ Processors, up to 65W
- Flexible configuration offers Barebone PC and IPC System SKU options
- Supports 1 x PICMG® 1.3 Full-Size, 1 x PCIe 16, 3 x PCIe x4 and 7 x PCI

Ordering Information

P/N	PSU	Chassis	Motherboard	Backplane	CPU	DRAM
IAP-E47-4U_SKU1 Barebone PC	750W	RK-620B	NuPRO-E47	EBP-13E4	X	X
IAP-E47-4U_SKU2 IPC System	750W	RK-620B	NuPRO-E47	EBP-13E4	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 65W
	Memory	DIMM Type/ Frequency Dual Channel Non-ECC DDR5 4800/5600 MHz (Speed Depends on CPU and DRAM)
	Max. Capacity	Max. to support 64 GB
Display	Multi Display	Triple Display
	HDMI	1x HDMI on rear I/O, resolution up to 4096 x 2160 @ 60Hz
	DVI-D	1x DVI-D via onboard pin header, resolution up to 1920 x 1200 @ 60Hz
	VGA	1x VGA connector (rear I/O), resolution up to 1920 x 1200@60Hz
Ethernet	Gbe Port	2
	Controller/ Frequency	Intel® I225-V/LM (2.5 Gigabit)
I/O Ports	USB	3x USB 3.2 Gen 2x1 ports (10Gbps) on rear I/O 6x USB 3.2 Gen 1x1 via onboard box headers 1x USB 3.2 Gen 1x1 vertical type A port, 4x USB 2.0 to backplane
	Serial Ports	2x RS-232 via onboard 2.0 pitch box header 2x RS-232/422/485 with auto flow control via onboard 2.0 pitch box header
	M.2	1x M.2 M-Key, 2280, support PCIe Gen 4 x 4
	SATA	8x SATA 3.0 onboard with RAID support
	GPIO	1x box header for 8-bit in and 8-bit out
Expansion Slots	PCIe	1x PCIe x16 3x PCIe x4 7x PCI
TPM		Yes
Form Factor	Dimension	427 mm (W) x 177 mm (H) x 447.9 mm(D)
Power Supply		500W, 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 A
	RF	N/A
	Safety	UL 62368-2

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