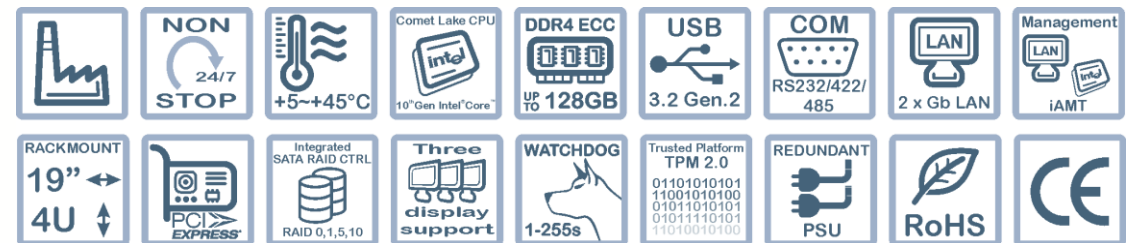


iCR-4100 Q470E

Rack computer for industrial environment



- ✓ Solid painted steel structure for industrial environments
- ✓ Ready for installation on Rack 19"
- ✓ 10th Gen. Intel® Core™ processor
- ✓ Up to 128GB DDR4 UDIMM
- ✓ Intel® UHD graphics with up to 3 simultaneous displays
- ✓ High availability of I/O: RS232/422/485, Gb LAN, USB 3.1 / 2.0
- ✓ Front access door protected by a key lock
- ✓ Active ventilation with removable dust filter
- ✓ Available with removable HDD/SSD box
- ✓ RAID 0, 1, 5, 10
- ✓ Optional redundant power supply





Technical Features

System	Processor	Socket LGA 1200 Intel® Core™ 10 th Generation Intel® Core™ i9 / i7 / i5 / i3 / Pentium (Comet Lake S)
	Chipset	Intel Q470E
	Bios	AMI SPI 256 Mbit
	Expansion slot	Group A: 2 x PCIe Gen3 Slots x16 mechanical 1 x PCIe Gen3 Slots x4 mechanical Can be: x16 or x8/x8 or x8/x4/x4 electrical Group B: 2 x PCIe Gen3 Slots x4 2 x PCI 32bit 5V 1 x SIM socket connected to M.2 key B
Memory	Max expansion	Up to *128GB Unbuffered DDR4 2933/2666/2400MHz 288-pin DIMM
	Type	*Core i9 / i7 support DDR4 up to 2933 MHz *Core i5 / i3 support DDR4 up to 2666 MHz *Pentium support DDR4 up to 2400 MHz
	Slot	4
Back I/O Interfaces	Serial	2 x RS232/422/485 4 x RS232 (optional)
	LPT	1 x LPT (shared with GPIO) (optional)
	USB	4 x USB 3.2 Gen.2 2 x USB 2.0
		2 x USB 3.2 Gen1 (optional) 2 x USB2.0 (optional)
	GPIO	8 x GPI, 8 x GPO (shared with LPT) (optional)
	Keyboard / Mouse	1 x PS2
	Audio	3 x Jack 3.5mm (Line-in, Line-out, Mic-in)
	LAN	2 x RJ45
	Video	1 x VGA 1 x HDMI 2.0a 1 x DP 1.2
	Front I/O Interfaces	USB
ON/OFF / RESET		2 x Switch
STATUS LED		1 x Power Led 1 x Hdd Led
Storage	Integrated storage controller	6 x SATA 3.0 6Gb/s (supports RAID 0/1/5/10) 1 x M.2 (Key M, 2242/2260/2280) SA TA3 & PCIe x4 * Shared with SATA3_5/ SATA3_6 Ports
	Internal bay	4 x 3.5"/*2.5" for HDD/SSD* *need optional adapter frame
	External bay	3 x 5.25" compatible with optional HDD/SSD removable box 1 x 3.5"
Audio Subsystem	Integrated audio	High-Definition Audio

Graphics Subsystem	Integrated Video interfaces	Intel® UHD Graphics (depends on installed CPU) VGA: resolution up to 1920x1200@60Hz HDMI 2.0: resolution up to 4096x2160@60Hz DP 1.2 DP++: resolution up to 4096x2160@60Hz
	Max resolution	
Network Subsystem Management	Contemporary active displays	Max 3 contemporary active displays (the operating system used must support this function)
	Integrated network controller	1 x Intel® I225LM (10/100/1000/2500 Mbps) 1 x Intel® I219LM (10/100/1000 Mbps) supporting AMT/vPro
Security	Watchdog	System Reset Software programmable from 0 to 255 sec
	Trusted Platform Module	Onboard TPM v2.0
Power	Standard PSU	400W ATX ACTIVE PFC, 80Plus Bronze (85+) AC INPUT: 100-240V, 5.5-2.5A, 50-60Hz
	Optional PSU	Redundant power supply (optional)
	Consumption	120W @ 75% Stress (average absorption estimated)
Software	Supported operating system	Windows 10 64bit
Mechanical Features	L x H x D	483 x 178 (4U) x 505 mm
	Weight	20Kg for medium configuration
	External bay	3 x 5,25" 1 x 3,5"
	Internal bay	4 x 3.5"
Environment	Color	Black
	Operating temp.	From +5°C to +45°C
	Non operating temp.	From -20°C to +70°C
	RH	95% a 30°C non cond.
	IP Grade	IP20
	Cooling System	2 x 90X90x25 mm front with dust filter 1 x 80x80x25 mm (optional) 2 x 60x60x25 mm (optional)
Product Certifications	Reference Marks	CE, RoHS
	Directive	Built according to European Directive 2014/30/EU (EMCD), 2014/35/EU (LVD), 2011/65/EU & 2015/863/EU (RoHS III)
Company Certifications	Reference standards	UNI EN ISO 9001
Product code	CNC9AHNPINO	iCR4100 Intel Q470E, DDR4, 2*Gb LAN, SATA 3 RAID, USB 2.0/3.0

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