

QUANTUM-R48

Rack Mount Industrial PC

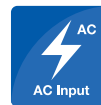
4u Rack mount solution Industrial PC for 8th/9th gen.



Key Feature



- Shockproof drive bay for one 5.25" ODD and three 3.5" HDDs
- 0 ~ 60° C ambient operation temperature range
- Supports Software RAID 0, 1, 5, 10
- Standard 545mm and Short 445mm depth
- Tool-less opening system (standard depth)
- Anti-vibration designed
- Supports ATX single or mini-redundant PSU
- Remote KVM by intel AMT



Specifications		Quantum-R48-Q	Quantum-R48-C
CPU	CPU	iCore 8th/9th gen	iCore 8th/9th gen. - Xeon E-2100
	Socket	LGA1151	LGA1151
	TDP max	65W	95W
	Chipset	Q370	C246
	BIOS	AMI 256 Mbit SPI	AMI 256 Mbit SPI
System Memory	Type	DDR4 non ECC	DDR4 ECC/non ECC
	Max. Capacity	64GB	64GB
	Slot	4x 288-pin DIMM	4x 288-pin DIMM
Storage	HDD/SSD bay 3.5"	3	3
	5.25" Drive	3	3
	Slim optical drive	1	1
	Sata ports	5	8
	RAID	0/1/5	0/1/5/10
Display e Graphics	Display	Intel HD Graphics	Intel HD Graphics*
Rear I/O	VGA	1	1
	DVI	1	1
	DP	1	-
	HDMI	-	1
	COM port	1x RS-232	-
	USB 3.1	2x gen.2 / 2x gen.1	4x gen.2
	USB 2.0	4	-
	RJ45	2	2
	Audio	2 (Mic-In, Line-out)	2 (Mic-In, Line-out)
Front I/O	USB 2.0	2	2
Internal I/O	USB 2.0	3 (1x type A on board)	6 (1x type A on board)
	USB 3.1	2	2x gen.1
	Serial	4x RS-232 1x RS-232/422/485	2x RS-232
	Parallel	1	1
	GPIO	8 bit	8 bit
Expansion Slots	PCI	2	-
	PCI-Express x1	-	3
	PCI-Express x4	4	2
	PCI-Express x8	-	2 x8 / 1 x16
	PCI-Express x16	9.0	2 x8 / 1 x16
Power Supply	PS/2	350W ~ 1000W *	350W ~ 1000W *
	redundant	400~700W *	400~700W *

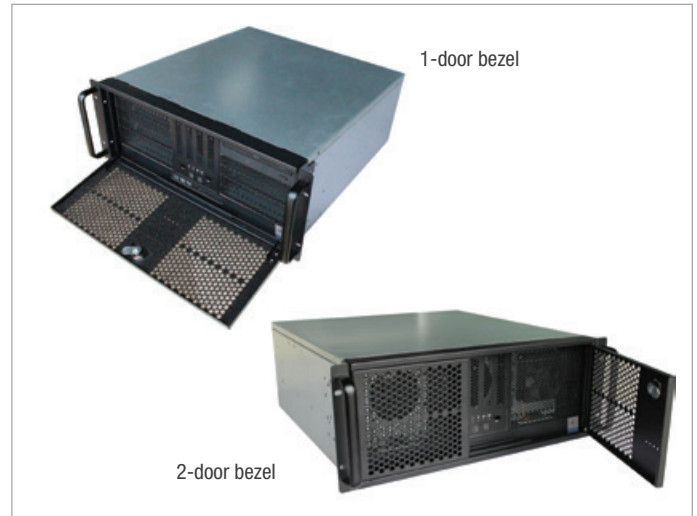
* Available AC and DC input

QUANTUM-R

Rack Mount Industrial PC



Dimension: 430x176x446mm without bezel / 430x176x469mm with optional bezel



Bezel (optional)



Excellent Air ventilation via front fans and rear fans pass through HDD zone, CPU zone and PCI card zone



Easy maintain - Dust Filter

Specifications	Quantum-R48-Q	Quantum-R48-C
Meccanical & Environment	Operating Temperature	0°C ~ 60°C
	Storage Temperature	-40°C ~ 85
	Operating Humidity	10~95%@40, non-condensing
	Shock	10g peak acceleration(duration 11ms), in operating with HDD
	Vibration	1g 5~500Hz in operating with HDD
	Mounting	Rackmount
Operating System	Dimension	(W*H*D): 430x176x546mm Standard Version (W*H*D): 430x176x445mm Short Version
	Windows 7	no
	Windows 10 IoT	yes