

QUANTUM-R

Rack Mount Industrial PC

Rack mount solution from 4th generation



Key Feature



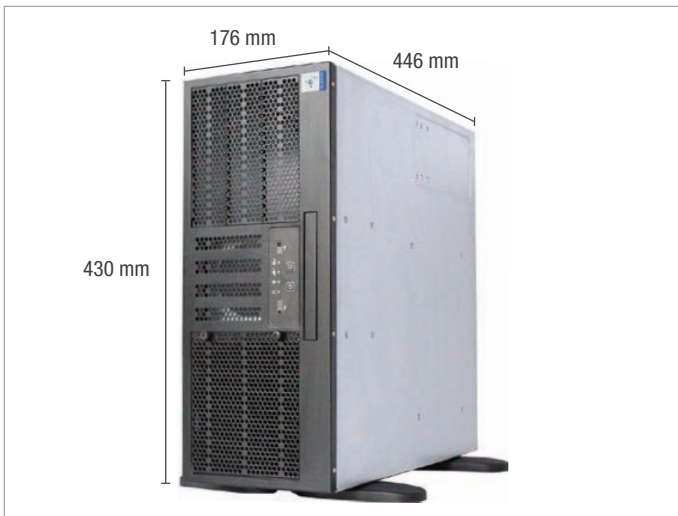
- Shockproof drive bay for one 5.25" ODD and three 3.5" HDDs
- 0 ~ 60° C ambient operation temperature range
- Supports Software RAID 0, 1, 5, 10
- Flexible system different solutions
- Rack mount or Pedestal solution
- Anti-vibration designed
- Supports ATX single or mini-redundant PSU
- Remote KVM by intel AMT



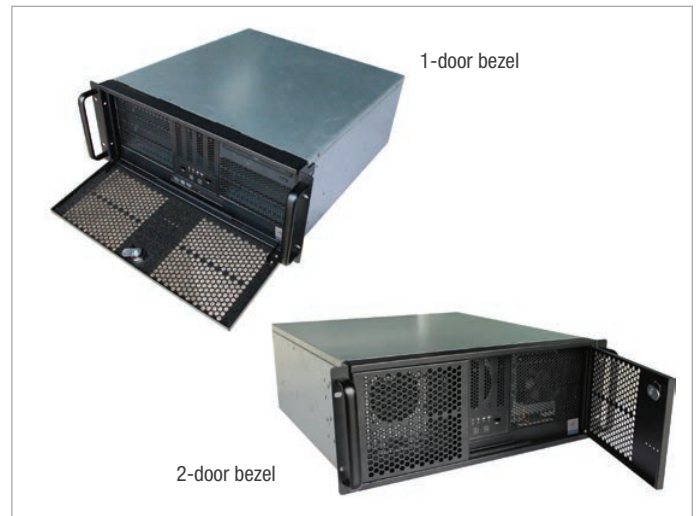
Specifications		Quantum-R4	Quantum-R6	Quantum-R7	Quantum-RDP
CPU	CPU	4th gen	6th gen / Xeon	7th gen / Xeon	Xeon Dual Processor
	TDP max	95W	91W	91W	160W
	Chipset	Q87/C226	H110/Q170/C236	H110/Q170/C236	C612
	BIOS	AMI EFI 128Mbit	AMI EFI 128Mbit	AMI EFI 128Mbit	AMI EFI 128Mbit
System Memory	Type	DDR3	DDR4	DDR4	DDR4 with ECC
	Slot	4	2 / 4	2 / 4	6 / 8
Storage	HDD/SSD bay 3.5"	3	3	3	3
	5.25" Drive	1	1	1	1
	mSATA	-	1	1	-
Display e Graphics	Display	Intel HD Graphics	Intel HD Graphics	Intel HD Graphics	AST 1400/2400
	VGA	1	1 / Optional	1 / Optional	1
	DVI	1	1	1	-
	DP	1	1	1	-
	HDMI	-	1	1	-
Rear I/O	PS/2 Keyboard/Mouse	yes	-	-	opt
	COM port	RS232/422/485	-	2	-
	USB 3.0	4	6	6	4
	RJ45	2	2 / 4	2 / 4	2
	USB 2.0	-	2	2	-
Front I/O	USB 2.0	2	2	2	2
Internal I/O	USB 2.0	6	-	-	3
	USB 3.0	-	4	4	2
	Serial	4 x RS-232 1 x RS-232/422/485 w/ auto flow control"	4 x RS-232 1 x RS-232/422/485 w/ auto flow control"	4 x RS-232 1 x RS-232/422/485 w/ auto flow control"	1 X RS 232
	SATA 3.0	6	-	-	9
	Parallel	1	-	-	-
	GPIO	8 bit	16 bit	16 bit	8 bit
Network	LAN 1	i217LM	i219LM	i219LM	i210
	LAN 2	i211AT	i211AT	i211AT	i210
	AMT	9.0	11.0	11.0	-
Serial port	Rear Pinout				
Audio	Audio	Realtek ALC892			
Power Supply	PS/2	350W ~ 1000W			

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-R4	Quantum-R6	Quantum-R7	Quantum-RDP	
Meccanical & Environment	Operating Temperature	0°C ~ 60°C	0°C ~ 60°C	0°C ~ 60°C	0°C ~ 40°C
	Storage Temperature	-20°C ~ 70°C	-20°C ~ 70°C	-20°C ~ 70°C	-40°C ~ 85°C
	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			
	Dimension	(W*H*D): 430x176x546mm			
Operating System	EMC	CE, FCC Class A			
	Windows 7	yes	yes	yes (no graphic driver)	yes
	WES 7	yes	yes	yes (no graphic driver)	yes
	Windows 10 IoT	no	yes	yes	yes
Linux	yes	yes	yes	yes	