

# QUANTUM-E

Embedded Industrial PC



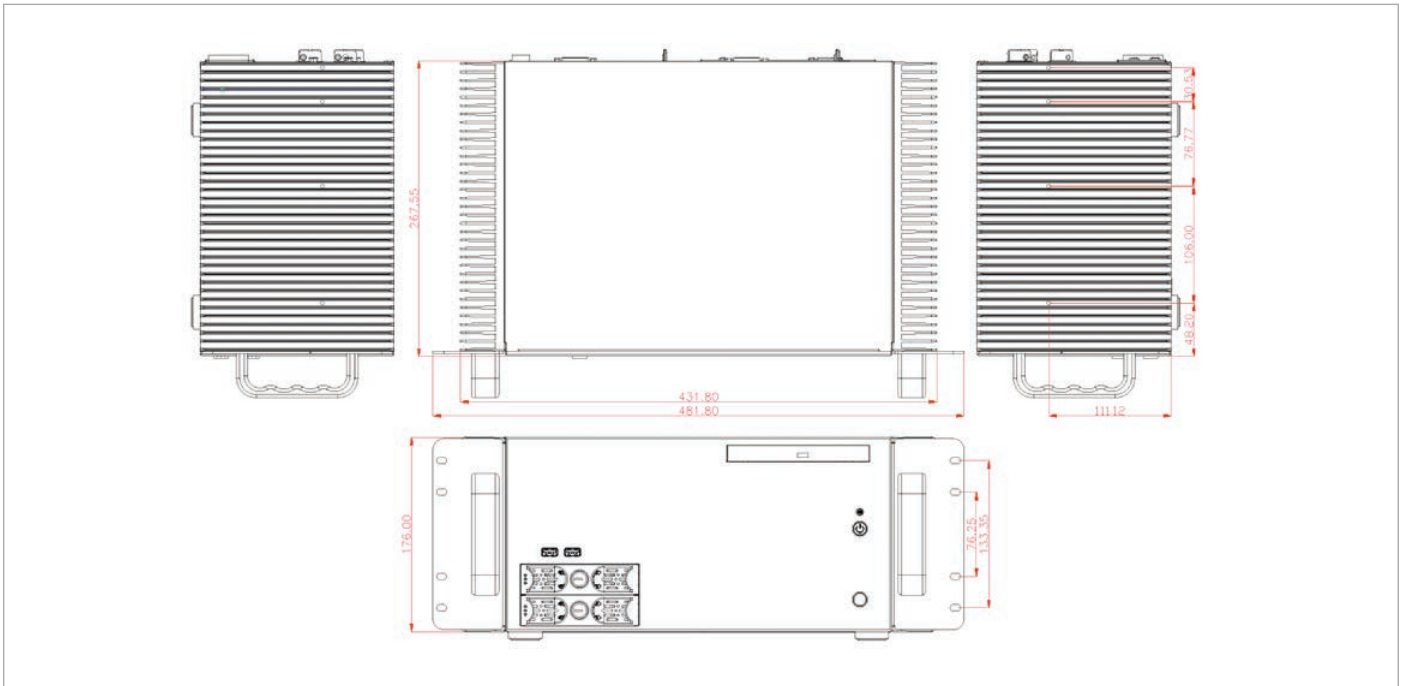
## Key Feature



- 2x / 4x Hot swap HDD Bays
- 0 ~ 60° C ambient operation temperature range
- Supports Software RAID 0, 1, 5, 10
- Flexible system different solutions
- mSATA and M.2 KEY
- Rack mount 3U
- Fanless design
- 12V DC Input
- Remote KVM with intel AMT



Specifications		Quntum E6	Quantum E7	Quntum E6E	Quantum E7E
CPU	CPU	6th gen	7th gen	6th gen	7th gen
	TDP max	35W	35W	35W	35W
	Chipset	Q170	Q170	Q170	Q170
	BIOS	AMI UEFI	AMI UEFI	AMI UEFI	AMI UEFI
System Memory	Type	DDR4 up to 32 gb	DDR4 up to 32 gb	DDR4 up to 32 gb	DDR4 up to 32 gb
	Slot	2	2	2	2
Storage	HDD/SSD bay 3.5"	2 / 4	2 / 4	2 / 4	2 / 4
	Slim Optical Drive	1	1	1	1
	M.2	M Key 2242/80	M Key 2242/80	M Key 2242/80	M Key 2242/80
Display e Graphics	Display	Intel HD Graphics	Intel HD Graphics	PCI-Express x16 card	PCI-Express x16 card
	DVI	1	1	1	1
	DP	1	1	1	1
	HDMI	1	1	1	1
Rear I/O	PS/2 Keyboard/Mouse	-	-	-	-
	COM port	2	2	2	2
	USB 3.0	4	4	4	4
	RJ45	2	2	2	2
	USB 2.0	-	-	-	-
Front I/O	USB 2.0	2	2	2	2
Internal I/O	USB 2.0	4	4	4	4
	USB 3.0	2	2	2	2
	Serial	-	-	-	-
	SATA 3.0	5	5	5	5
	Parallel	-	-	-	-
	GPIO	8 bit	16 bit	16 bit	8 bit
Network	LAN 1	i219LM	i219LM	i219LM	i219LM
	LAN 2	i210AT	i210AT	i210AT	i210AT
	AMT	11.0	11.0	11.0	11.0
Audio	Audio	Realtek ALC88S			
Power Supply	DC Input	12V 120W	12V 120W	12V 160W	12V 160W



2 HDD/SSD bay 3.5" version



Internal view

Specifications	Quantum E6	Quantum E7	Quantum E6E	Quantum E7E
<b>Meccanical &amp; Environment</b>	Operating Temperature	0°C ~ 60°C		
	Storage Temperature	-20°C ~ 70°C		
	Operating Humidity	10~95%@40, non-condensing		
	Shock	10g peak acceleration(duration 11ms), in operating with HDD		
	Vibration	2g 5~500Hz in operating with HDD		
	Mounting	Rackmount		
	Dimension	(W*H*D): 481,60 x 267,55 x		
	EMC	CE, FCC Class A		
MTBF	40.000h (PSU) /205.559h			
<b>Operating System</b>	Windows 7	yes	yes (no graphic driver)	yes
	WES 7	yes	yes (no graphic driver)	yes
	Windows 10 IoT	yes	yes	yes
	Linux	yes	yes	yes