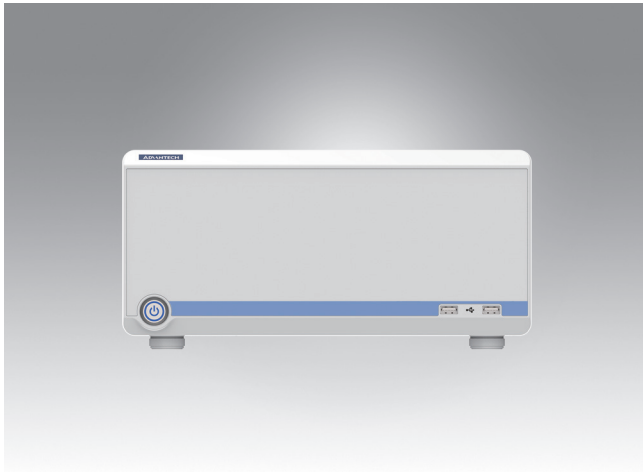


USM-500

Professional Mini Tower/Standalone Medical Computer with Intel 8th Generation Processor



Features

- Stylish and user friendly outlook for Hospital Environment
- Supports Intel® Xeon® 8th Gen Core™ i7/i5/i3 processor with Q370/C246
- Rich expansion for multi-purpose application
- Reliable platform for 24x7 operation for medical use

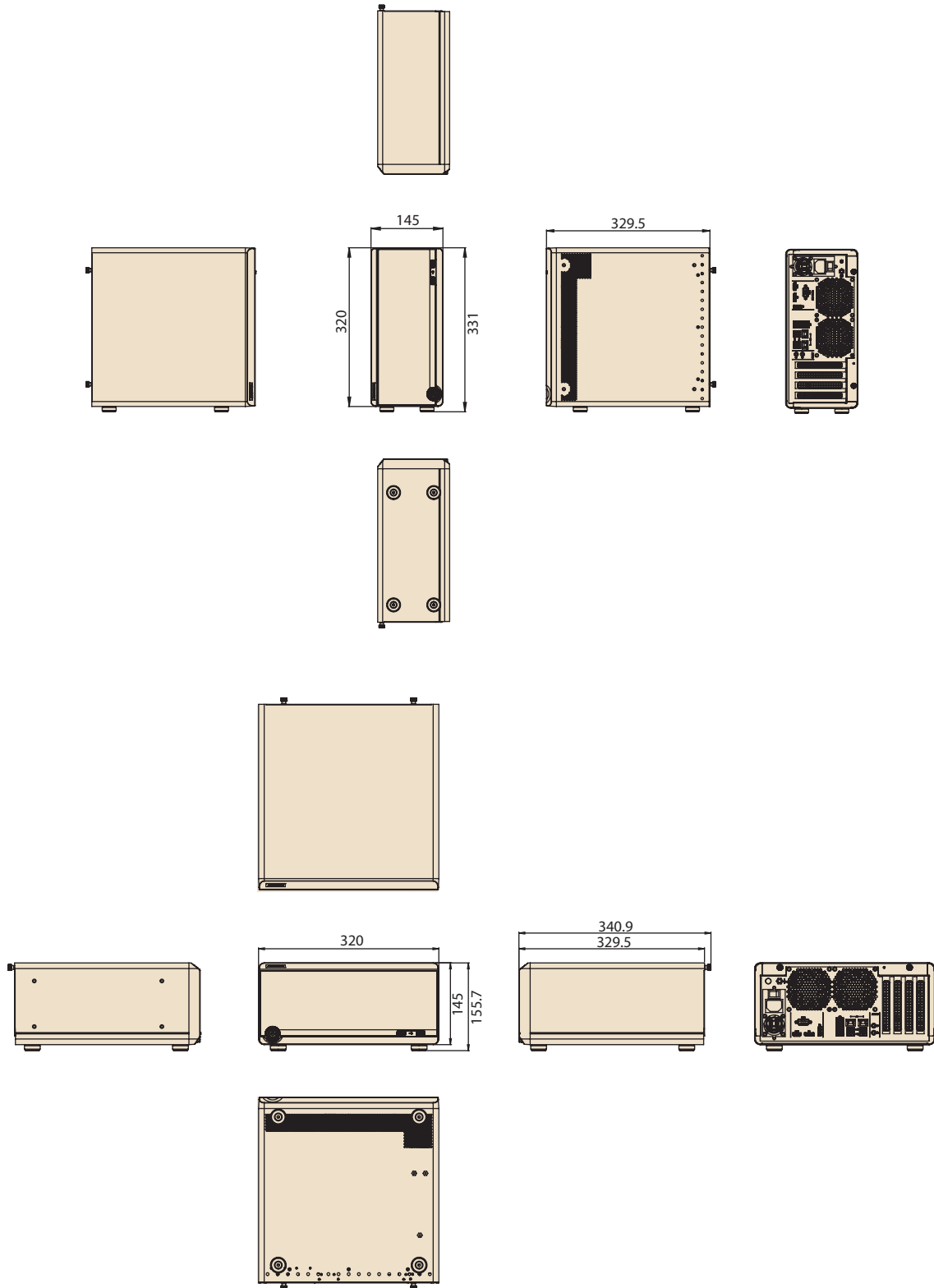
Specifications

Processor System	CPU	Intel 8 th Gen Processor (i3/i5/i7 35W or 65W for Q370) Intel 8 th Gen Xeon Processor (E-2124G/ E-2176G/E-2278GE/E-2278GEL/E-2226GE for C246)	
	Chipset	Intel Q370 Intel C246 (optional for Xeon CPU)	
	Memory	4 slots U-DIMM sockets support up to 128GB DDR4 2400/2666MHz SDRAM (Intel Q370) 4 slots U-DIMM sockets support up to 128GB ECC DDR4 2400/2666MHz SDRAM (Intel C246)	
	Operating System	Windows 10 LTSC/Professional Windows 2016 server/Linux (by project base)	
Expansion Slot	PCIex1 (Gen3)	1GB/s per direction	
	PCIex4 (Gen3)	4GB/s per direction	
	PCIex8 (Gen3)	(BOM option, but only can choose 2 PCIe x8 or 1 PCIe x16 , default is PCIe x16)	
	PCIex16 (Gen3)	16GB/s per direction	
	M.2 (M key)	1, 2280 NVMe PCIex4 and SATA M.2 support	
	M.2 (E key)	1, 2230 for WIFI, QG2/WG2 only	
Physical Characteristics	Dimension	320 x 145 x 329.5 mm	
	Weight	10kg (without MB and HDD)	
Environment	Temperature	Operating	Non-Operating
		0 ~ 35 °C (32 ~ 95 °F)	-40 ~ 70 °C (-40 ~ 156 °F)
	Humidity	10 ~ 95% @ 40 °C, non-condensing	
	Vibration	1Grms	2Grms
Shock	10G (with 11ms duration, half sine wave)		
Graphics	HDMI	Supports max resolution HDMI 1.2 1920 x 1200 @ 60 Hz (Colay HDMI 2.0a 4096 x 2160 @ 60 Hz, via BOM Option)	
	eDP	1, Internal pin header, supports max. resolution 3840 x 2160 @ 60 Hz (Internal pin header)	
	Display Port	Supports max resolution 4096 x 2304 @ 60 Hz	
Storage	HDD1 (2.5")	500G 2.5" SATAIII 5KRPM 128M up to 2TB (support 2 slot 2.5 HDD/SDD by BOM option)	
	CD Drive (Optional)	SLIM 8X SATA DVD+/-RW DL BLACK (by project base)	
I/O	HDMI	HDMI x1	
	Display Port	Display Port x2	
	RS232	RS232 x1	
	USB 3.1	USB 3.1 x4 (in rear)	
	USB 3.0	USB 3.0 x2 (in front)	
USB 2.0	USB 2.0 x4 (up to 6 by BOM option)		
Power Supplier	Input Voltage: internal PSU 100-240V 8-4A 60-60 Hz, maximum output power 500W Output Voltage: +3.3, 20A; +5V 20A; +12V1, 16A; +12V2, 16A; +12V3 16A; +5Vsb,3A; -12V, 0.5A; -5V, 0.2A		
Warranty	2 years	2 years	
Certification	CE/FCC/CCC/IEC-606061-1/IEC-60601-1-2 4 th		

*multiple list for graphic card is by project base

Dimensions

Unit: mm



Ordering Information

Part number	Description	CPU	Memory	HDD	SSD
USM-500-W5000000S	USM-500 with 500W PSU Barebones	X	X	X	X
USM-500J-W5585000S	USM-500 , 500W PSU, i5-8500T, 8G DDR4,500GB.	i5-8500T	8G	500G	X
USM-500-W5000000ST	USM-500 with 500W PSU Barebone System (made in Taiwan)	X	X	X	X
USM-500JW7165S	USM-500, 500W PSU, i7-8700, 16G, 512GSSD (made in Taiwan)	i7-8700	16G	X	512G

*barebone include 2 SATA cable/ power cable(for HDD and SSD) , screw for HDD and M.2 device

Optional

Product	Part number	Description
Graphic Card	SKY-QUAD-P1000R-B	Quadro P1000 4GB PCI-E*16 MDP*4 FS(PG178) Bulk
	SKY-QUAD-P2200-BLK	Quadro P2200 5GB PCI-E*16 DP*4 FS BULK
	SKY-QUAD-RTX4000-B	RTX-4000 8G DDR6(160W) 3x DisplayPort 1.4
	USM-QUAD-RTX5000	RTX-5000 16G DDR6(265W) 4*DP 1.4 with power cable
Capture card	DVP-7011HE	1-ch Full HD H.264/MPEG4 PCIe Video Capture Card with SDK
Cable	1700018705	Power Cord EU 3P 10A 250V 183cm
	1702002600	Power Cord UL 3P 10A 125V 183cm
	96CB-POWER-B-1.8MA	POWER CORD H05VV-F 3G 0.75MM 1.8M BK(G)_CN
	1700023855-11	M Cable HDMI 19P(M)/HDMI 19P(M) 100cm w/ Lock
	1700029605-01	200cm DVI to DVI Cable
OS	20708WPAPS0000	Windows 10 Professional
	20708WX9HS0004	Win 10 IoT Ent 2019 LTSC

I/O View

