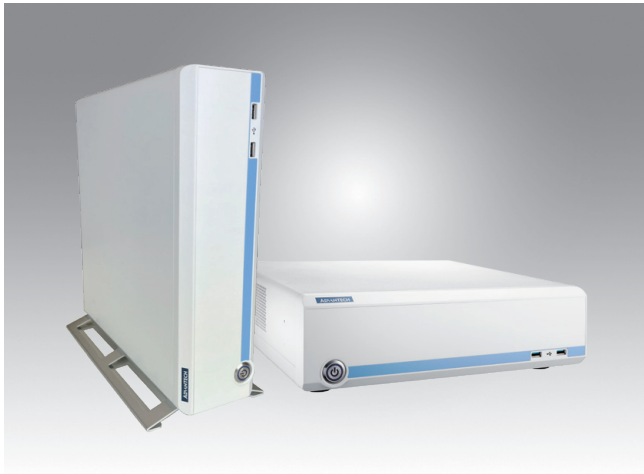


USM-500L

Professional Tower/Standalone Medical Computer with Intel 8th/9th Generation Processor



Features

- Stylish and user friendly outlook for hospital environment
- Support Intel® Xeon® 8th/9th Gen Core™ i7/i5/i3 processor with intel Q370
- Rich expansion for multi-purpose application
- Support Window 10 LTSC/Linux
- M.2 2242/2230 expansion slot
- HDMI and DP for multiple display use
- Support WISE-Device on
- Support software RAID0, 1, 5, 10 TPM 2.0 (Optional)



Introduction

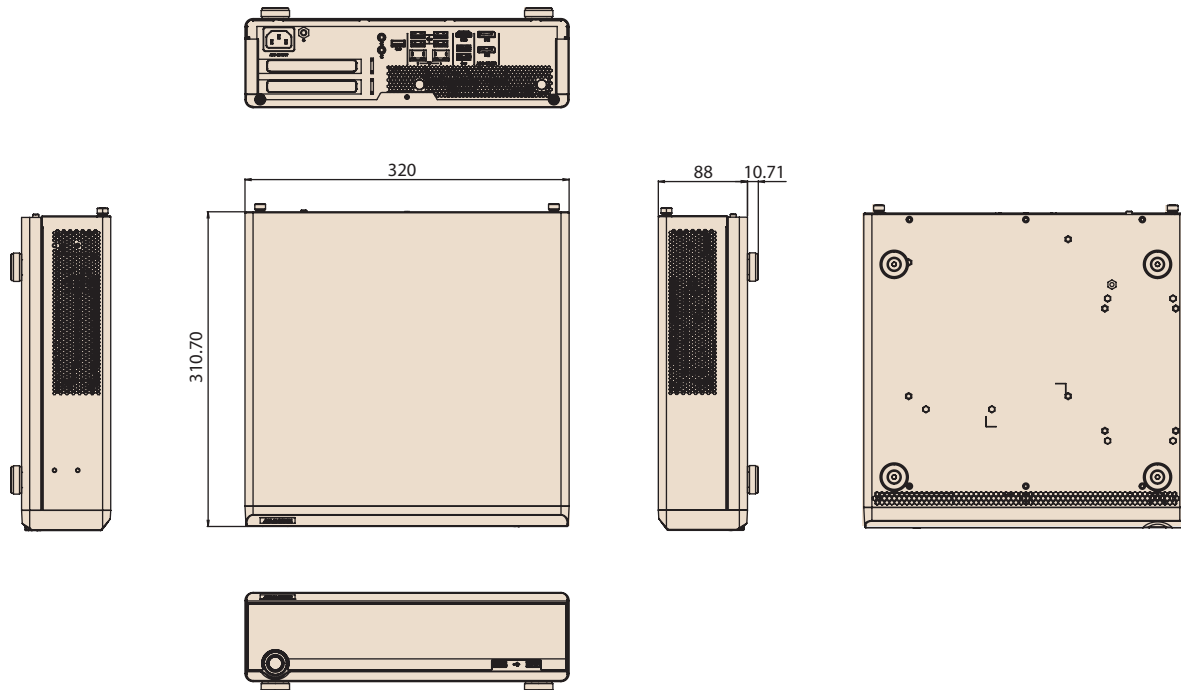
USM-500L is a 2U-height design AI work station ,which is compact and high efficiency for executing real-time AI algorithms and analysis. USM-500L could embed either one video capture card or one NVIDIA graphics card (supporting up to RTX-A2000 series) to capture large video data.

Specifications

Processor	CPU	Intel 8th/9th Gen Processor (i3/i5/i7 35W or 65W for Q370)	
	Chipset	Intel Q370	
	Memory	260 pin DDR4 2666 MHz SDRAM 8G (Up to 32G)	
	Operating System	Win 10 LTSC	
Expansion Slot	M.2	M.2 2, 1 x B key for SSD (Type: 2242& 1 x E key for wireless (Type: 2230mm)	
	PCIEx16 (Gen3)	6 GB/s per direction, 1 slot	
Physical Characteristics	Dimension	310.7 x 320 x 88 mm	
	Weight	4.8kg	
Network	WLAN/Bluetooth	802.11a/b/g/n/ac, BT5.0	
Environment	Temperature	Operating	Non-Operating
		0 ~ 35 °C (32 ~ 95 °F)	-40 ~ 70 °C (-40 ~ 156 °F)
	Humidity	10 ~ 95% @ 40 °C, non-condensing 10 ~ 95% @ 60 °C, non-condensing	
	Vibration	1Grms	2Grms
	Shock	10G (With 11ms duration, half sine wave)	
Graphics	HDMI	Support max. resolution 4096 x 2160 @60 Hz (HDMI 2.0a)	
	LVDS	Support dual channel 24-bit up to 1920 x 1200	
	Display Port 1.2	Support 2 x DP++ with max resolution 4096 x 2304 @ 60 Hz	
Storage	HDD	(2.5") 500G 2.5" SATAIII 5KRPM 128M up to 2TB (Support 2 slot 2.5" HDD/SDD by BOM option)	
	DVD Drive (Optional, by project base)	SLIM 8X SATA DVD+/-RW DL BLACK (if choose DVD drive , we only can put one HDD)	
I/O	HDMI	1 (HDMI 2.0a)	
	Display Port 1.2	2	
	USB	9 (6 USB 3.1 +1 USB 3.0 in rear /2 USB 3.0 in front)	
	Ethernet	2	
	Audio	2 (Line-out, Line-in)	
Power Supply	Input voltage: internal PSU 100-240V, 47Hz-63Hz, Max. output power 250W Output voltage: 12v-250W, 5V-2.5W		
Warranty	2 years		
Certification	CE/FCC/CCC/IEC-60601-1/IEC-60601-1-2 4th, RED		

Dimensions

Unit: mm



Order Information

Standard Model

Part Number	Description	PSU	CPU	Memory	HDD	SSD
USM-500L-0000AA1	USM-500L with 250W PSU barebone	250W	x	x	x	x

CTOS Service

Part Number	Description	PSU	CPU	Memory	HDD	SSD
USM-500L-0000AA1	USM-500L with 250W PSU barebone	250W	x	x	x	x
USM-500L-0000AA2	USM-500L with 250W PSU barebone (Made in Taiwan)	250W	x	x	x	x

Component Offerings

CPU

Part Number	Description
96MPI3CR-3.1-6M11T	core i3-9100E (3.1G)
96MPI5CR-3.0-9M11T	core i5-9500E(3G)
96MPI7CR-2.6-12M11	core i7-9700E(2.6G)
96MPI3C-3.1-6M11T	core i3 8100 T(3.1G)
96MPI5C-2.1-9M11T	core i5 8500 T(2.1G)
96MPI7C-3.2-12M11T	core i7 8700 (3.2G)

2.5" HDD

Part Number	Description
96ND500G-ST-SG5KG	SG 2.5" 500G 5KRPM 7MM SATAIII 128MB
96ND1TB-ST-SG5KG1	SG 2.5" 1TB 5KRPM 7MM SATAIII 128MB
96ND2TB-ST-SG5KG1	SG 2.5" 2TB 5KRPM 7MM SATAIII 128MB

M.2 SSD

Part Number	Description
96FD42-ST064-AD33N	ADATA M.2 2242 64G SATAIII 96 3DTLC
96FD42-ST128-AD33N	ADATA M.2 2242 128G SATAIII 96 3DTLC
96FD42-ST256-AD33N	ADATA M.2 2242 256G SATAIII 96 3DTLC
96FD42-ST512-AD33N	ADATA M.2 2242 512G SATAIII 96 3DTLC

2.5" SSD

Part Number	Description
96FD25-S128-TR7	TR 128GB 2.5" SSD SATAIII MLC
96FD25-S256-TR7	TR 256GB 2.5" SSD SATAIII MLC
96FD25-S512-TR7	TR 512GB 2.5" SSD SATAIII MLC
96FD25-S1TB-TR7	TR 1TB 2.5" SSD SATAIII MLC

I/O View



Cable

Part Number	Description
1702002600	Power Cord UL 3P 10A 125V 183cm
1702002605	Power Cord EU 3P 10A 250V 183cm 90°
1700018705	Power Cord EU 3P 10A 250V 183cm 180°

DDR (Non-ECC)

Part Number	Description
AQD-SD4U4GN26-SG	4G SO-DDR4-2666 512X8 1.2V SAM
AQD-SD4U8GN26-SE	8G SO-DDR4-2666 1GX8 1.2V SAM
AQD-SD4U16N26-SE	16G SO-DDR4-2666 1GX8 1.2V SAM
AQD-SD4U32GN26-SB	32G SO-DDR4-2666 2GbX8 1.2V SAM

Capture card

Part Number	Description
DVP-7011HE	1ch HDMI/DVI/YPbPr/SDI/composite/S-video
DVP-7011UHE	1ch 4K HDMI 2.0 HW Video Card
DVP-7019HE	1ch SDI/HDMI/DVI-D/DVI-A/YPbPr SW video card
DVP-7611HE	1ch HDV/SDI/CVBS/YPbPr/S-video PCIe HW card

Graphic Card

Part Number	Description
SKY-QUAD-RTXA2000B	Quadro RTX A2000 6GB PCI-Ex16