

# USM-500

## Professional Tower/Standalone Medical Computer with NVIDIA IGX



### Features

- Stylish and user friendly outlook for hospital environment
- Harness the power of the NVIDIA IGX advanced functional safety and security platform for medical AI applications
- IGX is powered by the world's most powerful AI computer for energy-efficient autonomous machines with 275 tera operations per second (TOPS) of AI performance and includes an NVIDIA® ConnectX®-7 smart network interface card (SmartNIC) with 200 gigabits per second (Gb/s) of networking speed; ideal for securely ingesting high frame rate raw video



### Introduction

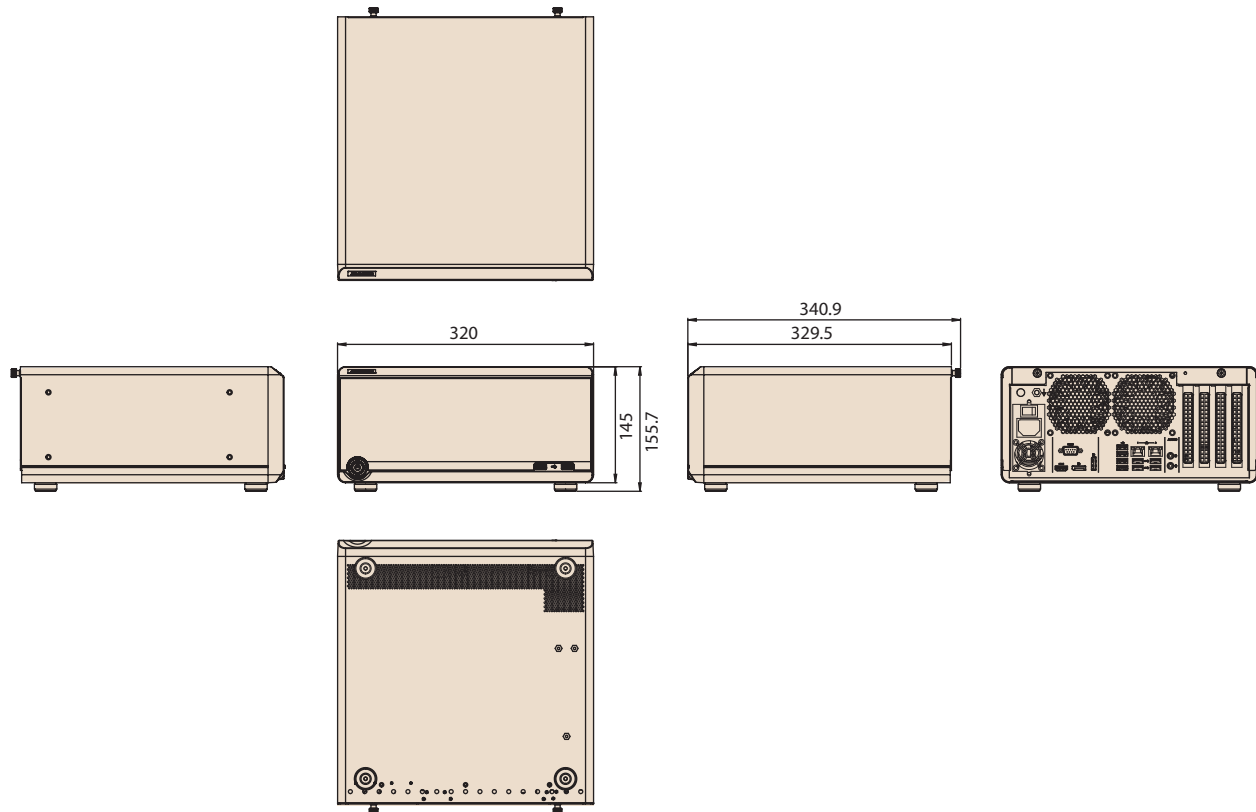
NVIDIA IGX delivers ultra-fast performance in the size and power envelope needed for the edge. Powered by the world's most powerful AI computer for energy-efficient autonomous machines and an NVIDIA® ConnectX®-7 smart network interface card (SmartNIC), IGX expands upon traditional commercial offerings with long-term support, advanced functional safety, and enhanced security.

### Specifications

Model Name		USM-500 IGX
Computing System	CPU	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
	Memory	64GB 256-bit LPDDR5 204.8 GB/s
	Wi-Fi (M.2 2230)	Optional Wi-Fi 6
	Bluetooth	Optional Bluetooth 5.3
	OS	Linux
Storage	Primary Storage	512GB SSD (M.2 2280) (max. 1TB)
	Secondary Storage	Available as option (max. 2TB x 4)
I/O Ports	DC in	x 1
	USB 3.2 Type A	6
	USB 3.2 Type C	1
	DP	1
	QSFP	2
	LAN	x 2
	Line-out	2
	Mic-in	x 1
Expansion	PCIe Slot	1 x PCIe (x8) 1 x PCIe (x16)
Power Input	Input Voltage	AC 100-240V, 11.5-5.5A, 50-50Hz or 200-240V, 5.5A, 60-50Hz, 900W
Certification		CE, FCC, IEC/EN 60601-1-2 4.1th, IEC/EN 60601-1 3.2th (compliance)

## Dimensions

Unit: mm



## Order Information

### Standard Model

Part Number	Description	PSU	CPU (on board)	RAM on board)	M.2 SSD	2.5" SSD	WIFI
USM-500-IGXG6V12	USM-500IGX with NVIDIA platform 6000Ada/2T M.2/2T 2.5"/WIFI	900W	A78AE	64GB	2T	2T	AX210
USM-500-IGXG00A1	USM-500IGX barebone with NVIDIA platform /2T M.2	900W	A78AE	64GB	2T	x	x

## Component Offerings

### M.2 SSD

Part Number	Description
SQF-C8MV2-256GDEDM	SQF M.2 2280 720-D 256G 3D TLC BiCS5
SQF-C8MV2-512GDEDM	SQF M.2 2280 720-D 512G 3D TLC BiCS5
SQF-C8MV4-1TDEDM	SQF M.2 2280 720-D 1T 3D TLC BiCS5
SQF-C8MV4-2TDEDM	SQF M.2 2280 720-D 2T 3D TLC BiCS5

### Graphic Card

Part Number	Description
SKY-QUAD-6000A-48	Quadro RTX 6000 Ada PCIe 48GB DSFH w/ATX BKT BUL

### Cable

Part Number	Description
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	200 cm DVI to DVI Cable

### 2.5" SSD

Part Number	Description
SQF-S25V1-256GDSDC	SQF 2.5" SATA SSD 650-D 256G 3D TLC (BiCS5)
SQF-S25V2-512GDSDC	SQF 2.5" SATA SSD 650-D 512G 3D TLC (BiCS5)
SQF-S25V4-1TSDC	SQF 2.5" SATA SSD 650-D 1T 3D TLC (BiCS5)

### Capture Card

Part Number	Description
DVP-7025UHE	2-ch 4k60 12G-SDI PCIe Video Capture Card
DVP-7031UHE	4ch UHD HDMI PCIe SW Video Card

### WiFi Kit

Part Number	Description
EWM-W165M201E	Wi-Fi 6 + BT Module 2.4/5/6GHz M.2 2230 No.Vpro
EWM-W165M202E	Wi Fi AX2106E 2230 M.2 Key E

## I/O View

