

USM-600

Dual-Board Workstation with Intel® Pentium®/Core™ i3/i5/i7 Processor for Edge AI Applications



Features

- Dual CPU boards for performing multiple edge AI processes simultaneously
- Embedded 8/9th gen Intel® Pentium®/Core™ i3-9100TE/i5-9500TE/i7-9700TE CPU
- Each CPU board is an independent system
- Multiple I/O : 2 x LAN, 3 x USB 3.1, 2 x HDMI for each CPU board
- 1 x PCIe16 for CPU board 1, 1 x PCIe16 or 2 x PCIe8 for CPU board 2
- Each CPU board has 1 x M.2 E Key 2230
- Each CPU board has 1 x M.2 B Key 2280
- RAID 0, 1 and 5 support



Introduction

Developed together with Intel, USM-600 is a dual-board workstation that features two CPU boards in a single unit, which allows multiple edge AI tasks to be processed simultaneously. The provision of multiple I/O, including up to three PCIe slots, supports the integration of various expansion modules and cards, such as an Intel® Movidius™ card and/or graphics card, making it ideal for computer vision and imaging applications. USM-600 can be connected to diverse devices and monitors via USB and HDMI for easy deployment in retail and hospitality environments, public facilities, and office buildings. Moreover, USM-600 provides customers with a high-performance solution for implementing a modular edge computing architecture that supports AI-based video/image processing for people counting and facial recognition tasks.

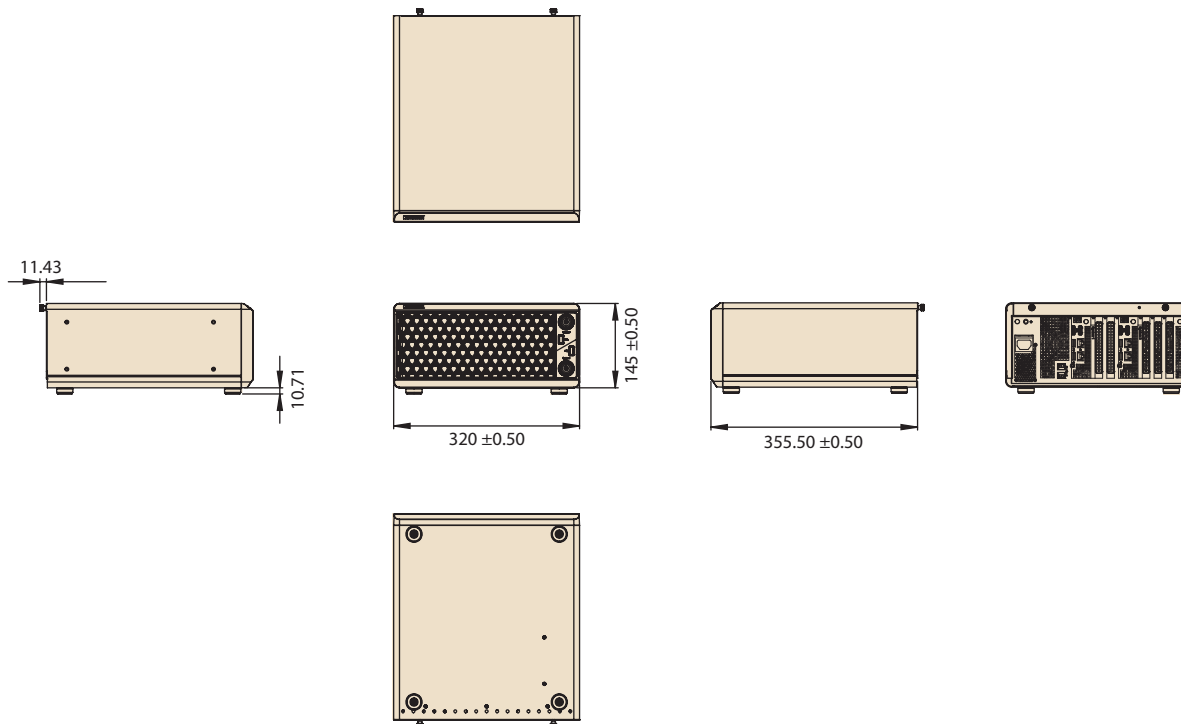
Specifications

	CPU	G5400/ G5400T	i3-8100/ 8100T	i5-8500/ 8500T	i7-8700/ 8700T	i3-9100TE	i5-9500TE	i7-9700TE
	Core Quantity	2/2	4/4	6/6	6/6	4	6	8
	Base Frequency	3.7 GHz/ 3.1 GHz	3.6 GHz/ 3.1 GHz	3 GHz/ 2.1 GHz	3.2 GHz/ 2.4 GHz	2.2 GHz	2.2 GHz	1.8 GHz
	Cache	4 MB/4 MB	6 MB/6 MB	9 MB/9 MB	12 MB/12 MB	6 MB	9 MB	12 MB
	TDP	58W/25W	65W/35W	65W/35W	65W/35W	35W	35W	35W
	Memory	2 x Dual-channel DDR4 SODIMM 2666 MHz, non-ECC(up to 64GB) for each CPU board						
	Storage	1 x M.2 SSDs and 2 x SATA SSD/HDDs with RAID 0, 1 and 5 support for each CPU board						
Dual CPU Board	Ethernet	10/100/1000 Mbps CPU board: Intel® I210 GbE LAN Base board: Intel® I219 GbE LAN						
	External I/O	2 x USB 3.1 at rear side for each CPU board 1 x USB 3.1 at front side for each CPU board 2 x RJ45 for each CPU board 2 x RJ45 for base board 2 x HDMI for each CPU board						
	Audio	1 x Line-Out/Mic-In for each CPU board						
	Internal Connector	1 x M.2 E Key 2230 (Wifi module) for each CPU board 1 x M.2 B Key 2280 (SSD and LTE module) for each CPU board 1 x COM for each CPU board						
	Dimensions (W x H x D)	320 x 145 x 355.5 mm/12.59 x 5.7 x 13.99 in						
	Weight	9 kg/19.84 lb						
Operating System		Windows 10, Android 10, Linux						
Environmental	Operating Temperature	0 ~ 40 °C/32 ~ 104 °F						
	Relative Humidity	10 ~ 95% @ 40 °C/104 °F non-condensing						
	Vibration	1G						
	Shock	10G						
Power	Input Rating	100 ~ 240 V _{AC} , 50 ~ 60 Hz, 8 ~ 4A, 500W maximum						
Certification		BSMI/CE/FCC/UL/CB						

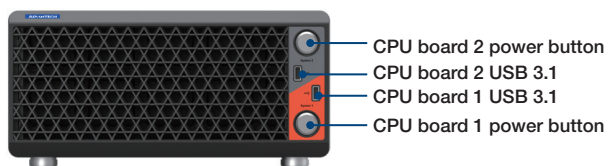
Notes : USM-600 doesn't support WIFI and BT function in Europe Area.

Dimensions

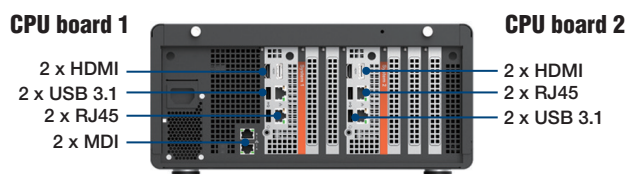
Unit: mm



Front View



Rear View



Accessories

	Part Name	Description
CPU	96MPPC-3.7-4M-11T	Intel® Pentium® G5400 dual-core, 3.7 GHz, 4 MB, 1151P
	96MPPC-3.1-4M-11T	Intel® Pentium® G5400T dual-core, 3.1 GHz, 4 MB, 1151P
	96MPI3C-3.6-6M11T	Intel® Core™ i3-8100 quad-core, 3.6 GHz, 6 MB, 1151P
	96MPI3C-3.1-6M11T	Intel® Core™ i3-8100T quad-core, 3.1 GHz, 6 MB, 1151P
	96MPI5C-3.0-9M11T	Intel® Core™ i5-8500 six-core, 3 GHz, 9 MB, 1151P
	96MPI5C-2.1-9M11T	Intel® Core™ i5-8500T six-core, 2.1 GHz, 9 MB, 1151P
	96MPI7C-3.2-12M11T	Intel® Core™ i7-8700 six-core, 3.2 GHz, 12 MB, 1151P
	96MPI7C-2.4-12M11T	Intel® Core™ i7-8700T six-core, 2.4 GHz, 12 MB, 1151P
	96MPI3CR-2.2-6M11T	Intel® Core™ i3-9100TE quad-core, 2.2 GHz, 6 MB, 1151P
	96MPI5CR-2.2-9M11T	Intel® Core™ i5-9500TE six-core, 2.2 GHz, 9 MB, 1151P
	96MPI7CR-1.8-12M11	Intel® Core™ i7-9700TE eight-core, 1.8 GHz, 12 MB, 1151P
Memory	AQD-SD4U4GN24-SP	4 GB SODIMM DDR4 2400 512x16 1.2V Samsung
	AQD-SD4U4GN24-HP	4 GB SODIMM DDR4 2400 512x16 1.2V Hynix
	AQD-SD4U8GN24-SE	8 GB SODIMM DDR4 2400 1Gx8 1.2V Samsung
	AQD-SD4U8GN24-HE	8 GB SODIMM DDR4 2400 1Gx8 1.2V Hynix
	AQD-SD4U16N24-SE	16 GB SODIMM DDR4 2400 1Gx8 1.2V Samsung
AQD-SD4U16N24-HE	16 GB SODIMM DDR4 2400 1Gx8 1.2V Hynix	
Storage	96FD25-ST256G-M13	Micron 1300 2.5" SATA III, 256 GB, 3D TLC (0 ~ 70 °C/31 ~ 158 °F)
	96FD25-ST512G-M13	Micron 1300 2.5" SATA III, 512 GB, 3D TLC (0 ~ 70 °C/31 ~ 158 °F)
	96FD25-ST1T-M13	Micron 1300 2.5" SATA III, 1 TB, 3D TLC (0 ~ 70 °C/31 ~ 158 °F)
	96ND500G-ST-WD5KG1	WD IPC 500 GB 2.5" SATA III, 5K RPM, 128 MB, 7 MM
	96ND1TB-ST-WD5KG	WD IPC 1 TB 2.5" SATA III, 5K RPM, 128 MB, 7 MM
	96FD25-S128-TS	KIOXIA SSSTC Semi-WT SSD 128 GB 2.5" SATA III TOS 96-layer TLC
	96FD25-S256-TS	KIOXIA SSSTC Semi-WT SSD 256 GB 2.5" SATA III TOS 96-layer TLC
	96FD25-S1TB-TS	KIOXIA SSSTC Semi-WT SSD 1 TB 2.5" SATA III TOS 96-layer TLC
96FD25-S512-TS	KIOXIA SSSTC Semi-WT SSD 512 GB 2.5" SATA III TOS 96-layer TLC	
Wi-Fi Module	EWM-W163M201E	802.11 a/b/g/n/ac, Atheros QCA6174A-5, 2T2R, with BT4.2
	EWM-W157M201E	802.11 a/b/g/n/ac, RTL8821CE, 1T1R, with BT4.2
	EWM-W159M201E	802.11 a/b/g/n/ac, RTL 8822CE-CG, 2T2R, with BT5.0
	1750008717-01*2	WiFi 2.4 GHz and 5 GHz dipole Antenna
	1750007965-01*2	WiFi Coaxial Cable, 300 mm
Power Cable	1700024848-01	Power Cord BSMI 3P 7A 125V 180cm(Taiwan)
	1700000237-11	Power Cord PSE 3P 12A 125V 183cm with FANUC P/N(Japan)
	1700000596-11	Power Cord CCC 3P 10A 250V 183cm(China)
	1700018704	Power Cord BSI 3P 10A 250V 180cm(United Kingdom)
	1700018705	Power Cord EU 3P 10A 250V 183cm(European)
	1700018706	Power Cord UL 3P 10A 125V 183cm(USA)
	1700019338	Power Cord SABS 3P 10A 250V 180cm(South Africa)
	1700022938-01	Power Cord KCC 3P 10A 250V 300cm(Korea)
	1700022939-01	Power Cord SAA 3P 10A 250V 300cm(Australia)
	1700022999-01	Power Cord SIRIM 3P 10A 250V 300cm(Malaysia)
	1700023517-01	Power Cord SNI 3P 10A 250V 300cm(Indonesia)
	1700025112-01	Power Cord INMETRO 3P 10A 250V 180cm(Brazil)
	1700030491-01	Power Cord CCC 3P 10A 250V 200cm(China)
	Windows OS	20708WX9ES0036
20708WX9VS0021		Img WIN10 LTSC-VLE USM-600 V1.00 x64 7MUI for Core i3/i5
20708WX9HS0009		Img WIN10 LTSC-HLE USM-600 V1.00 x64 7MUI for Core i7

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.