AVS-540

4U Rackmount Intel® Xeon® E5-2600/ E5-2600 V2 Video Wall Controller with Support for up to 20 Video Outputs



Features

- Intel® Xeon® E5-2600/E5-2600 V2 processor with up to 8 cores/16 threads
- Up to 96 GB of DDR3 U-DIMM and R-DIMM memory at 1333/1600 MHz (ECC)
- Supports up to 20 analog/digital video inputs and outputs
- Equipped with five Mura MPX-4/4 cards
- Validated by Matrox
- Supports IPMI and Advantech's Remote Monitoring Utility

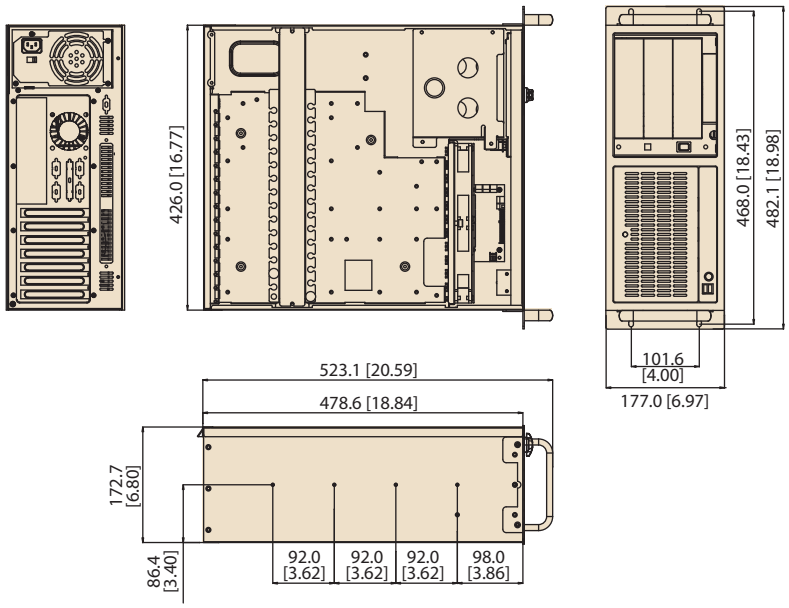
Specifications

Processor System	Chipset	Intel® C602J chipset	
	CPU	Intel® LGA2011 Xeon® E5-2600/E5-2600 V2 single-core processor (up to 95 W TDP)	
	L2 Cache	5/10/15/20 MB	
	Memory	ECC and Register/ECC/non-ECC DDR3 UDIMMs at 1600/1333/1066 MHz, maximum 96 GB	
Graphics	Controller	ASPEED AST2300 (must be disabled if Mura MPX is installed)	
	VRAM	64 MB	
Expansion	Slot 1	PCI	
	Slot 2	PCIe x16 (Gen3 x8 link) for Mura MPX-4/4 installation	
	Slot 3	PCIe x16 (Gen3 x8 link) for Mura MPX-4/4 installation	
	Slot 4	PCIe x16 (Gen3 x8 or x16 link) for Mura MPX-4/4 installation	
	Slot 5	PCIe x16 (Gen3 x8 link) for Mura MPX-4/4 installation	
	Slot 6	PCIe x16 (Gen3 x8 or x16 link) for Mura MPX-4/4 installation	
	Slot 7	PCIe x8 (Gen2 x4 link)	
Drive Bay	5.25" Front Accessible	3	
	3.5" Front Accessible	1	
	3.5" Internal	-	
Ethernet	Interface	Dual 10/100/1000 Mbps Gigabit Ethernet	
	Controller	Intel® 82579LM and Intel® I210	
Front I/O	USB	2 x USB 2.0	
	PS/2	1	
Rear I/O	USB	4 x USB 2.0, 2 x USB 3.0	
	PS/2	2	
	COM	1	
	Display	1 x VGA	
	RJ-45	3 (1 reserved for IPMI)	
Watchdog Timer	Output	Interrup, system reset	
	Interval	Programmable, 1~255 sec	
Power Supply	Output	80+ bronze 700 W single power supply	
	Input	AC 100 ~ 240 V	
Cooling	Chassis Fan	2 (12 cm / 114 CFM each)	
	Air Filter	Yes	
Miscellaneous	LED Indicators	Power, HDD Activity, Temperature, Fan, and Power Voltage	
	Remote Management	Advantech Remote Monitoring Utility	
Environment		Operating	Non-Operating
	Temperature	0 ~ 40 °C	-20 ~ 60 °C
	Humidity	10 ~ 85% @ 40 °C	10 ~ 95% @ 40 °C
	Vibration	1 Grm (5 ~ 500 Hz)	2 Grms (5 ~ 500 Hz)
	Shock	10G (with 11ms duration, half sine wave)	30G
Physical Characteristics	Dimensions	482 x 177 x 479 mm	

All product specifications are subject to change without notice.

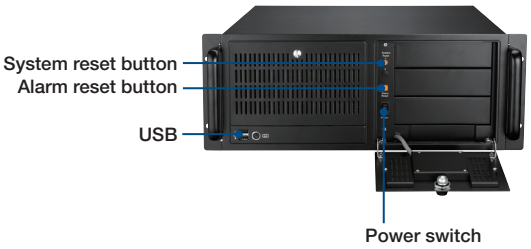
Last updated: 3-Mar-2016

Dimensions

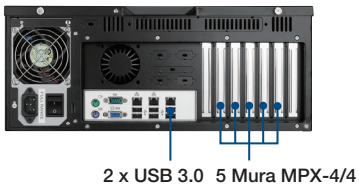


Unit: mm [inch]

Front View



Rear View



Ordering Information

Part Number	Description
AVS-540-00A1E	4U rackmount Xeon E5-2600/E5-2600 V2 video wall controller with 5 Matrox Mura MPX
1960058073N001	Xeon E5-2600 series CPU cooler with up to 95 W TDP

Note: Users should purchase the recommended CPU cooler, other brands of CPU cooler may result in compatibility issues.

Optional Accessories

Part Number	Description
IPC-DT-5230E	Mobile rack for converting dual 5.25" drive bays into three 3.5" SAS/SATA HDD trays
IPC-DT-3120E	Mobile rack for converting a 3.5" drive bay into dual 2.5" SATA HDD trays
96RACK-5SS-CAGE-CR	Mobile rack for converting a 5.25" drive bay into four 2.5" SAS/SATA HDD trays
1700003194	SATA cable with lock
9680006905	ACP-4000 rail kit
PCA-AUDIO-HDA1E	HD audio card

1. To support 2 2.5" SATA HDDs RAID with on-board RAID: 1700003194 x 2 + IDT-3120E x 1
2. To support 3 3.5" SATA HDDs RAID with on-board RAID: 1700003194 x 3 + IDT-5230E x 1
3. To support 4 2.5" SATA HDDs RAID with on-board RAID: 1700003194 x 4 + 96RACK-5SS-CAGE-CR x 1

System Contents

Part Number	Items	Quantity
N/A	AVS-540 barebone unit	1
2066822I00	Driver CD	1

Note: A CPU cooler must be purchased separately.

Compatible Processors

Part Number	Description
96MPXE-2.0-15M20T	XEON 2.0G 15M 2011P 6CORE E5-2620(G)
96MPXE-1.8-20M20T	XEON 1.8G 20M 2011P 8CORE E5-2648L(G)
96MPXE-2.1-20M20T	XEON 2.1G 20M 2011P 8CORE E5-2658(G)

Validated Matrox Mura Cards

Part Number	Model	Output	Input
96VG-2G-PE-MA	Mura MPX-4/0	4	0
96VG-2G-PE-MA1	Mura MPX-4/2	4	2
96VG-2G-PE-MA2	Mura MPX-4/4	4	4
96VG-1G-PE-MA	Mura MPX-SDI	2	2
96VG-128M-PE-MA	Mura MPX-V8	0	8
96VG-256M-PE-MA	Mura MPX-V16	0	16

Validated OS

Part Number	Description
968QS28F08	Windows Server® 2008 with Hyper-V™ Standard (64 bit)
968QSV2845	Windows Server® 2008 without Hyper-V™ Standard (64 bit)
968QW7PROE	Windows® 7 Professional (64 bit)