

AVS-542

4U Intel® Xeon® E5-2600 Video Wall Controller, Supporting 20 output / 15-40 input Video Wall



Features

- Validated by Datapath
- Supports Video Wall Cards: 5 ImageDP4
- Maximum Video Input: 15 Analog/Digital or 40 Analog
- Maximum Video Output: 20 Analog/Digital
- Processor: Intel Xeon E5-2600 series up to 8 cores/ 16 threads
- Memory : DDR3-1333/1600 MHz (ECC) U-DIMM and R-DIMM up to 96 GB
- Remote Management: IPMI, Advantech Remote Monitoring Utility
- Compact 4U rackmount chassis, with only 348mm depth
- Smart fan speed control for system fans

DATAPATH
EXCELLENCE BY DESIGN

CE FCC

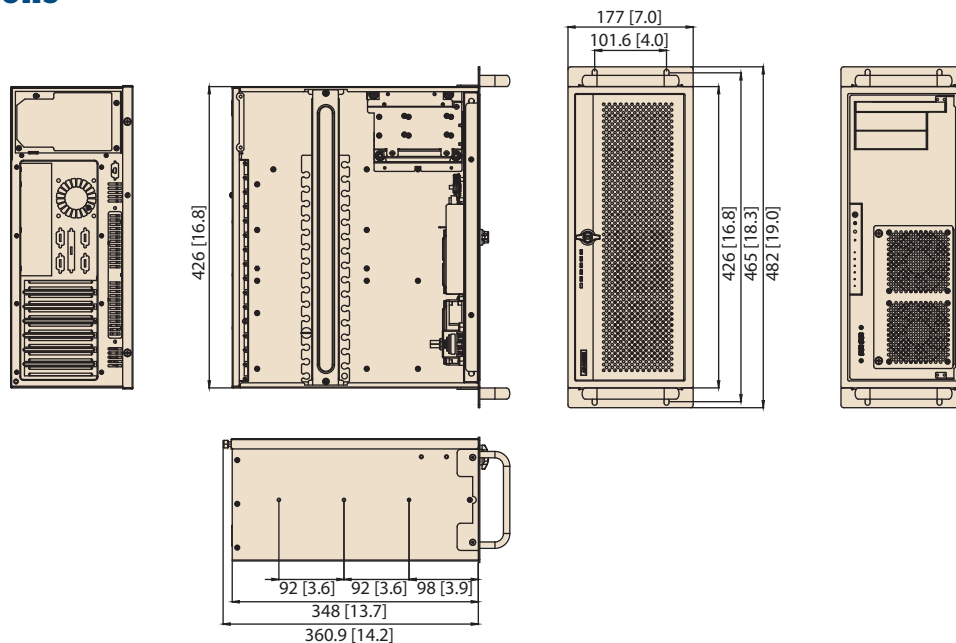
Specifications

Processor System	Chipset	Intel C602J Chipset	
	CPU	Intel LGA2011 Xeon E5-2600 / E5-2600 v2 series Single processor (up to 95W TDP)	
	L2 Cache	5/10/15/20 MB	
	Memory	ECC & Register or ECC or non ECC DDR3 1600/1333/1066 MHz UDIMMs, maximum 96 GB	
Expansion Slot	Slot location 1	PCI	
	Slot location 2	PCIe x16 slot (Gen3 x8 link), for ImageDP4 / VisionAV / Vision Series installation	
	Slot location 3	PCIe x16 slot (Gen3 x8 link), for ImageDP4 / VisionAV / Vision Series installation	
	Slot location 4	PCIe x16 slot (Gen3 x8 or x16 link), for ImageDP4 / VisionAV / Vision Series installation	
	Slot location 5	PCIe x16 slot (Gen3 x8 link), for ImageDP4 / VisionAV / Vision Series installation	
	Slot location 6	PCIe x16 slot (Gen3 x8 or x16 link), for ImageDP4 / VisionAV / Vision Series installation	
	Slot location 7	PCIe x8 slot (Gen2 x4 link), for VisionAV / Vision Series installation	
Drive Bay	Front-accessible	1	Internal
	Slim Optical Drive Bay	1	-
	3.5" Drive Bay	-	2
	2.5" Drive Bay	*	1
Ethernet	Interface	Dual 10/100/1000 Mbps Gigabit Ethernet	
	Controller	Intel 82579LM + Intel I210	
Front I/O Interface	USB	2 x USB2.0	
Rear I/O Interface	USB	4 x USB2.0, 2 x USB 3.0	
	PS/2	2	
	COM	1	
	Display	1 x VGA	
	RJ-45	3 (1 is dedicated for IPMI)	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	Programmable, 1~255 sec	
Power Supply	Power Output Wattage	80+ Bronze 700W Single Power Supply	
	Input Range	AC 100 ~ 240 V	
Cooling	Chassis Fan	2 (9cm / 110.18 CFM)	
	Air Filter	Yes	
Environment	Temperature	Operating 0 ~ 40° C (32~104° F)	Non-Operating -20 ~ 60° C (-4 ~ 140° F)
	Humidity	10 ~ 85% @ 40° C	
	Vibration (5 ~ 500 Hz)	1 Grms	2 Grms
	Shock	10G (with 11ms duration, half sine wave)	30G
Physical Characteristics	Dimension	482 x 177 x 348 mm (19" x 7.0" x 13.7")	

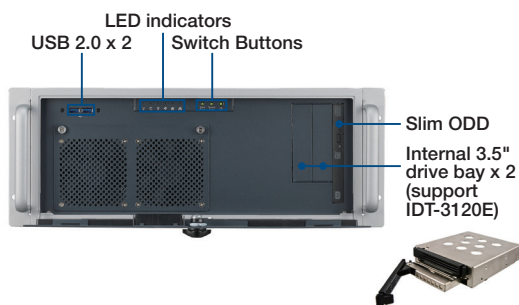
* The two internal 3.5" slots may be converted to two or even four 2.5" mobile SATA HDD trays using optional part no. IDT-3120E

Dimensions

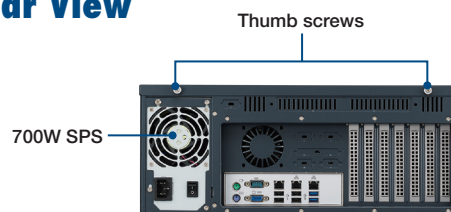
Unit: mm [inch]



Front View



Rear View



Ordering Information

Advantech P/N	Description
AVS-542-00A1E	4U Rackmount Xeon E5-2600 Video Wall Controller Supporting 6 Datapath cards
1960058073N001	Cooler for Xeon E5-2600 series CPU with TDP Up To 95W

Note: Purchasing this CPU cooler is a must, other brand CPU cooler may result in compatibility issue.

System Contents

Items	Advantech P/N	Quantity
AVS-542 Bare-Bone System	AVS-542-00A1E	1
Driver CD	2062822100	1

Note: CPU cooler needs to be purchased separately.

Optional Parts

Item	Advantech P/N
Mobile rack for converting a 3.5" drive bay to dual 2.5" SATA HDD trays	IPC-DT-3120E
SATA power wire 6-pin to big 4-pin (for slim ODD)	96CB-SATAPOWER-6P1
SATA cable with lock	1700003194
Rail Kit	9680006905
HD Audio-Card	PCA-AUDIO-HDA1E (Occupying 1 expansion slot)