

# High Density Storage Solutions

*Your Gateway to Cloud Storage Architecture*

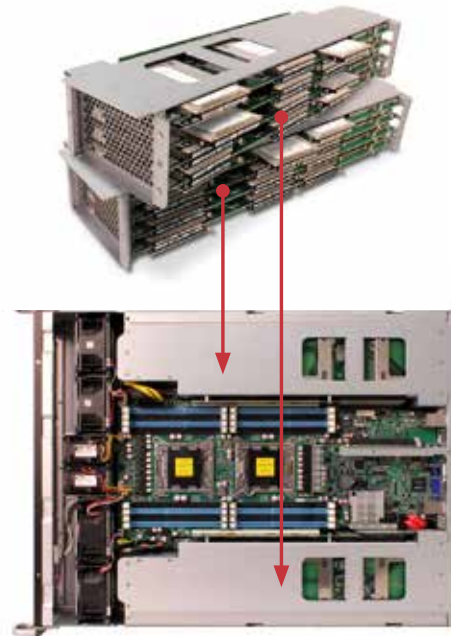


## AAEON's Storage Server (CRS Series)

AAEON CRS series are tailored to meet the scale-out storage needs of diverse datacenters by enhancing HDD density and eliminating unnecessary features. This CRS series are powered by Intel® processors and support maximum 16 UDIMMs. All key functions including HBA and network are built on a motherboard, offering customers the highest efficiency and the largest storage capacity available in a compact chassis.

### CRS-720X

Through AAEON's proprietary storage Host Bus Architecture (HBA), the CRS-720X allows a much larger number of 2.5" HDD or SSD to be installed in the network appliance. The CRS-720X-2R provides up to 64 2.5" hard disks within 2U rack space, offering one of the most economical high density storage in the market today.



### CRS-300X

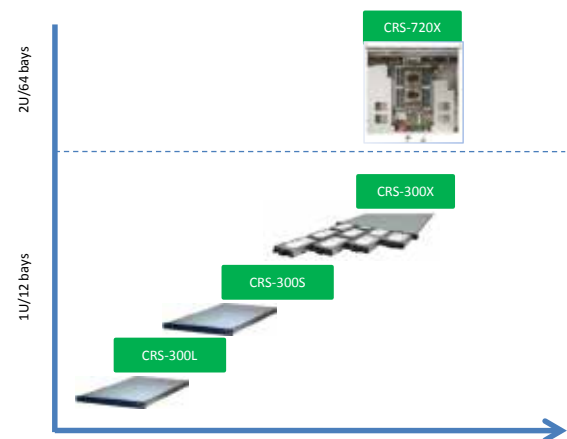
CRS-300X is a dedicated design for Apache™ Hadoop® Application with 12 HDD bays in 1U Rack. It supports the latest Intel® Xeon® E3-1200 v3 processor with advanced computing and storage capacity up to 12 HDD bays and high bandwidth interconnection with 10G chipset onboard. With the LSI 2308 I/O controller onboard design, the CRS-300X supports large storage capacity, while the Broadcom® 10Gb/s Ethernet controller meets the needs of high speed interconnection between servers in data centers. Flexible I/O expansions and faster Network connectivity make the system a perfect solution for cloud computing and big data.



# AAEON's Storage Server (CRS Series)

## CRS-300S

CRS-300S is an ultra-dense 1U storage server specially tailored to meet the scale-out storage needs of diverse data centers. It features Intel® high performance and low power consumption processor, and large storage capacity of up to 12 SATA devices in compact 1U size. The CRS-300S is a cost effective solution and ideal for applications such as highly scalable and high-throughput object storage and distributed file system in cloud data centers.



## Selection Guide



Model	CRS-300L	CRS-300S	CRS-300X	CRS-720X
<b>Application</b>	Object Storage Data Node Scale-out Storage Hadoop Surveillance NVR High Density Storage Platform Next Generation Data Center	Object Storage Data Node Scale-out Storage Hadoop Surveillance NVR High Density Storage Platform Next Generation Data Center	Object Storage Data Node Scale-out Storage Hadoop Surveillance NVR High Density Storage Platform Next Generation Data Center	Object Storage Data Node Scale-out Storage Hadoop Surveillance NVR High Density Storage Platform Next Generation Data Center
<b>Form Factor</b>	1U Height Server	1U Height Server	1U Height Server	2U Height Server
<b>Processor</b>	Intel® Atom™ C-Series FCBGA Processor(Avoton)	Intel® Xeon® E3-1200V2	Intel® Xeon® E3-1200 v3 product family	Dual Intel® Xeon® E5-2600 v2 product family
<b>Chipset</b>	Intel® Atom™ SoC	Intel® C202 Chipset	Intel® C224 Chipset	Intel® C602-A PCH
<b>Memory</b>	DDR3 1333 ECC/Non-ECC UDIMM x 2, Max. 16G	DDR3 1600/1333 UDIMM with ECC x 4, Max. 32G	DDR3 1600/1333 UDIMM with ECC x 4, Max. 32G	Quad-Channel DDR3 1866/1600 UDIMM with ECC x 16, Max 128G
<b>Ethernet</b>	Marvell 88E1543 Quad PHY x 4 + Management Port x 1	Intel® 82574L GbE x 2 + Management Port x 1	Intel® I210AT x 2 + Management Port x 1, Broadcom Dual port, 10GbE x 1	10Gb SFP+ Port x 2, Broadcom 57840S 1GB RJ-45 Port x 2, Intel® i210 1GB RJ-45 Management Port x 1 Single Port Mellanox ConnectX-3 FDR InfiniBand with QSFP interface on board (Optional)
<b>Graphic</b>	Aspeed AST2300 32MB	Aspeed AST2050 with 16MB VRAM	Aspeed AST2300 with 32MB VRAM	Aspeed AST2300 with 16MB VRAM
<b>Expansion Slot</b>	PCI-E [x8] x 1	PCI-E [x8] x 1	PCI-E [x8] x 1 (Gen3 [x4] link)(Low-Profile)	PCI-E [x16] x 8 + PCI-E [x8] x 1
<b>Power Requirement</b>	Single 400W 80PLUS Gold Certified	Redundant 550W 80 Plus Gold Certified	Single 400W 80PLUS Gold Certified	Redundant 800W 80 Plus Gold Certified
<b>Certification</b>	CE/FCC	CE/FCC	CE, C-Tick, FCC(Class A)	CE/FCC
<b>Dimension (W x H x D)</b>	444mm x 43.4mm x 786mm	444mm x 43.4mm x 850mm	444mm x 43.4mm x 786mm	444 mm x 88 mm x 584 mm

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