



Edge Computing SERVER

Amiron

Applications

ICT Convergence / Intelligent Network / Industrial Internet / AI Computing / Intelligent IoT

Model	AMSRVMSY-01	AMSRVMSY-02
Storage	Up to 6x 2.5" hard drives	Up to 6x 2.5" hot-swap hard drives
System node	The system supports 6 single-socket hot-swap nodes	The system supports 3 single-socket hot-swap nodes
Processor	Single node supports 1 Intel® Xeon® E processor E-2100/E-2200 series; CPU is up to 95W	Single node supports 1 Intel® Xeon® E processor E-2100/E-2200 series; CPU is up to 95W
Motherboard model	G3SCN-B	G3SCN-B
Motherboard Chipset	Intel® PCH C242/C246(Only C246 supports core graphics card)	Intel® PCH C242/C246(Only C246 supports core graphics card)
Memory	Single node supports 4 DDR4 2133/2400/2666 ECC UDIMM memory; Single memory capacity: 4GB\8GB\16GB	Single node supports 4 DDR4 2133/2400/2666 ECC UDIMM memory; Single memory capacity: 4GB\8GB\16GB
Power	800W CRPS power, support 1+1 redundancy	800W CRPS power, support 1+1 redundancy
Fan	The system supports 4x 8038 hot-swap fans	The system supports 4x 8038 hot-swap fans
Display	Aspeed AST2500	Aspeed AST2500
Network card	2 RJ45 Gigabit network ports	2 RJ45 Gigabit network ports
Management	PMI2.0	PMI2.0
Expansion slot	Single node optionally supports horizontal-rotation 1x PCIe3.0 X8 half-height expansion slot	Single node optionally supports horizontal-rotation 1x PCIe3.0 X8 half-height expansion slot
USB	Single-node on-board 2 USB3.0 interfaces	Single-node on-board 2 USB3.0 interfaces
M.2	Support PCIe 3.0 x 4 M.2; size support: 2242,2280	Support PCIe 3.0 x 4 M.2; size support: 2242,2280
DOM	Support SATA DOM	Support SATA DOM
OS	Windows Server 2008 R2(64bit) Windows SBS 2011 (64bit) Windows Server 2012/2012 R2 (64bit) Redhat Enterprise Linux Server (32bit/64bit) Suse Enterprise Linux Server (32bit/64bit) Ubuntu Server (32bit/64bit)	Windows Server 2008 R2(64bit) Windows SBS 2011 (64bit) Windows Server 2012/2012 R2 (64bit) Redhat Enterprise Linux Server (32bit/64bit) Suse Enterprise Linux Server (32bit/64bit) Ubuntu Server (32bit/64bit)
Virtualization	VMWare ESXi (Target) Microsoft Hyper-V (Target) Citrix Xen Server (Target) Linux Kernel Virtual Machine (Target)	VMWare ESXi (Target) Microsoft Hyper-V (Target) Citrix Xen Server (Target) Linux Kernel Virtual Machine (Target)
Authentication (Certification)	CCC, CE, FCC, ROHS	CCC, CE, FCC, ROHS
Size	440 x 448 x 87.9mm (D x W x H)	440 x 448 x 87.9mm (D x W x H)
Temperature	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -40°C - 70°C	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -40°C - 70°C
Humidity	Operating humidity: 35% - 80% (non-condensing) Storage humidity: 20% - 90% (non-condensing)	Operating humidity: 35% - 80% (non-condensing) Storage humidity: 20% - 90% (non-condensing)

Model	AMSRVMSY-03R	AMSRVMSY-04G
Front hard drive	Up to 4x 2.5" SAS/SATA3.0 hard drives	Up to 6x 2.5" SAS/SATA3.0 hard drives
Rear hard drive	N/A	N/A
Processor	Supports 1 or 2 Gen1/2 Intel® Xeon® Scalable processors	Supports 3 Intel® Xeon® Scalable processors
Chipset	Intel® C621 series server-specific chipset	Intel® C621 server dedicated processor chipset
Memory	16 DDR4 memory slots, support DDR4 2133/2400/2666/2933MHZ LRDIMM/RDIMM memory	16 DDR4 memory slots, support DDR4 2133/2400/2666/2933MHZ LRDIMM/RDIMM memory
Storage controllers	Internal storage controller: PCH supports RAID 0\1\10&5 (for Windows only); Internal storage: 1 PCIe 3.0 x 4 M.2 interfaces, 2x 7pin SATA interfaces, 3 MiniSAS HD interfaces	Internal storage controller: PCH supports RAID 0\1\10&5 (for Windows only); Internal storage: 2 PCIe 3.0 x 2 M.2 interfaces, 3* 7pin SATA interfaces, 3 MiniSAS HD interfaces
Driver	4 hot-swap SAS/SATA (HDD/SSD)	6 hot-swap SAS/SATA (HDD/SSD)
Power	550W, 800W, 1200W, 1300W, 1600W hot-swap 1+1 redundant power	550W, 800W, 1200W, 1300W, 1600W hot-swap 1+1 redundant power
External port & PCIe	Support 2 full-height, full-length, double-width PGe slots and 1 half-height half-length, single-width PCIe slot; Rear: 1 VGA interface, 1 DB-9 COM interface, 2 USB3.0 interfaces, 2 USB2.0 interfaces, 1 RJ45 management network port and 2 RJ45 network ports	The rear of the system supports 10 half-height PCIeX16 slots Rear: Integrated 2 Gigabit service network ports, 1 independent IPMI management network port, 2 USB3.0 ports, 1 VGA port
Intelligent temp, control	Supports	Supports
Fan	Standard 3x 8038 N+1 hot-swap fans	Standard 4x 8038 N+1 hot-swap fans
Network	Onboard 2 Gigabit RJ45 network ports	Onboard 2 Gigabit RJ45 network
Security	TPM	TPM
Management	IPMI2.0	IPMI2.0
OS	Microsoft Windows Server Red Hat Enterprise Linux, SUSE Linux Enterprise Server CentOS, Ubuntu	Microsoft Windows Server Red Hat Enterprise Linux, SUSE Linux Enterprise Server CentOS, Ubuntu
Virtualization	Citrix Xen Server, Vmware ESXi, Linux KVM, Windows Hyper-V	Citrix Xen Server, Vmware ESXi, Linux KVM, Windows Hyper-V
Certification	CCC, CE, FCC, ROHS	CCC, CE, FCC, ROHS
Size	450 x 433 x 87.5mm (D x W x H)	450 x 433 x 87.5mm (D x W x H)
Temperature	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -40°C - 70°C	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -40°C - 70°C
Humidity	Operating humidity: 20% - 80% (non-condensing) Storage humidity: 20% - 90% (non-condensing)	Operating humidity: 20% - 80% (non-condensing) Storage humidity: 20% - 90% (non-condensing)

Model	AMSRVMSY-05R	AMSRVMSY-06R
Front hard drive	Up to 6x 2.5" SAS/SATA3.0 hard drives	Up to 6x 2.5" SAS/SATA3.0 hard drives
Rear hard drive	N/A	N/A
Processor	1 AMD EPYC 7003 series, compatible with AMD EPYC 7002 and 7001 series	2 AMD EPYC 7003 series, compatible with AMD EPYC 7002 and 7001 series
Chipset	Intel® C621 series server-specific chipset	Intel® C621 server dedicated processor chipset
Memory	16 DDR4 memory slots, supporting 2400/2666/2933MHZ DDR4 memory	16 DDR4 memory slots, supporting 2400/2666/2933MHZ DDR4 memory
Storage controllers	1 M.2(PCIex4) interface; 2 MiniSAS HD interfaces	1 M.2(PCIex4) interface; 2 MiniSAS HD interfaces
Driver	6 hot-swap SAS/SATA/NVMe (HDD/SSD/U.2)	6 hot-swap SAS/SATA/NVMe (HDD/SSD/U.2)
Power	550W, 800W, 1200W, 1300W, 1600W, 2200W 1+1 redundant power (adapt according to the actual power)	550W, 800W, 1200W, 1300W, 1600W, 2200W 1+1 redundant power (adapt according to the actual power)
External port & PCIe	Front: 1 VGA, 1 COM port, 4 USB3.0,1 management network port, 2 RJ45 network ports, support 6 PCIe x8 and 4 PCIe x16 Form 1:2 horizontally rotated full-height, double-width + 2 half-height PCIe slots Form 2:10 PCIe half-height slots (6 PCIe x8,4 PCIe x16) Form 3:1 horizontally rotated full-height, double-width + 9 half-height PCIe slots Form 4:1 horizontally rotated full-height, double-width + 3 half-height PCIe slots	Front: 1 VGA, 1 COM port, 4 USB3.0,1 management network port, 2 RJ45 network ports, support 6 PCIe x8 and 4 PCIe x16 Form 1:2 horizontally rotated full-height, double-width + 2 half-height PCIe slots Form 2:10 PCIe half-height slots (6 PCIe x8,4 PCIe x16) Form 3:1 horizontally rotated full-height, double-width + 9 half-height PCIe slots Form 4:1 horizontally rotated full-height, double-width + 3 half-height PCIe slots
Intelligent temp, control	Supports	Supports
Fan	Standard 4x 8038	Standard 4x 8038
Network	Onboard 2x1GbE	Onboard 2x1GbE
Security	TPM module	TPM module
Management	1 RJ45 management network port, IPMI2.0	1 RJ45 management network port, IPMI2.0
OS	Microsoft Windows Server Red Hat Enterprise Linux, SUSE Linux Enterprise Server CentOS, Ubuntu	Microsoft Windows Server Red Hat Enterprise Linux, SUSE Linux Enterprise Server CentOS, Ubuntu
Virtualization	Citrix Xen Server, Vmware ESXi, Linux KVM, Windows Hyper-V	Citrix Xen Server, Vmware ESXi, Linux KVM, Windows Hyper-V
Certification	CCC	CCC
Size	450 x 433 x 87.5mm (D x W x H)	450 x 433 x 87.5mm (D x W x H)
Temperature	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -40°C - 70°C	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -40°C - 70°C
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