

4-Way SAS On Board

4-Way

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MODEL	A+ Server 2042G-6RF	A+ Server 2042G-TRF	A+ Server 2042G-72RF4
Processor Support	16/12/8/4-Core AMD Opteron™ 6000 Series Processors	16/12/8/4-Core AMD Opteron™ 6000 Series Processors	16/12/8/4-Core AMD Opteron™ 6000 Series Processors
Key Applications	Mission-critical applications, enterprise server, large database, e-business, Internet, online transaction processing	Mission-critical applications, enterprise server, large database, e-business, Internet, online transaction processing	Mission-critical applications, enterprise server, large database, e-business, Internet, online transaction processing, High performance computer cluster (HPCC)
Outstanding Features	<ul style="list-style-type: none"> Enterprise level 4-way system LSI® 2008 SAS2 RAID controller 6 hot-swap 3.5" SATA/SAS drive bays RAID: 0, 1, 10 (5 optional) 1TB DDR3 1600/1333/1066 SDRAM 2 Gigabit Ethernet ports IPMI 2.0 management with dedicated LAN Redundant 1400W Gold Level high-efficiency power supply 	<ul style="list-style-type: none"> Enterprise level 4-way system 6 hot-swap 3.5" SATA drive bays RAID: 0, 1, 10 1TB DDR3 1600/1333/1066 SDRAM 2 Gigabit Ethernet ports IPMI 2.0 management with dedicated LAN Redundant 1400W Gold Level high-efficiency power supply 	<ul style="list-style-type: none"> Enterprise level 4-way system LSI 2208 SAS2 HW RAID controller 6 hot-swap 3.5" SATA/SAS drive bays RAID: 0, 1, 5, 6, 10, 50 1TB DDR3 1600/1333/1066 SDRAM 4 Intel I350 Gigabit Ethernet ports IPMI 2.0 management with dedicated LAN Redundant 1400W 1 Platinum Level (94%+) Digital high-efficiency redundant power supplies
Serverboard/Chipset	H8QG6-F / HyperTransport™ technology AMD SR5690+SR5670+SP5100	H8QGi-F / HyperTransport™ technology AMD SR5690+SR5670+SP5100	H8QG7-LN4F HyperTransport™ technology AMD SR5690+SR5670 *SP5100 + LSI2208
System Memory (Max.)	1TB ECC Registered DDR3 1600/1333/1066 SDRAM in 32 DIMMs	1TB ECC Registered DDR3 1600/1333/1066 SDRAM in 32 DIMMs	1TB ECC Registered DDR3 1600/1333/1066 in 32 DIMMs
Expansion Slots	2 PCI-E 2.0 x16 (low profile) 1 PCI-E 2.0 x8 (low profile) 1 Universal I/O or PCI-E 2.0 x8 (low profile)	2 PCI-E 2.0 x16 (low profile) 1 PCI-E 2.0 x8 (low profile) 1 Universal I/O or PCI-E 2.0 x8 (low profile)	2 PCI-E 2.0 x16 (low profile) 2 PCI-E 2.0 x8 (low profile)
Onboard SAS/SCSI/SATA/IDE/RAID	LSI® 2008 SAS2 Controller for 6 SAS2	AMD SP5100 for 6 SATA 2.0	LSI® 2208 SAS2 Controller for 6 SAS 2 / SATA 2.0 HW RAID 0, 1, 5, 6, 10, 50 support
Connectivity/VGA/Audio	Dual LAN with Intel® 82576 Gigabit Ethernet controller Matrox G200eW graphics controller	Dual LAN with Intel® 82576 Gigabit Ethernet controller Matrox G200eW graphics controller	Quad Intel I350 Gigabit Ethernet Controller Matrox G200eW graphics controller
Management	IPMI 2.0, SuperDoctor III, Watch Dog	IPMI 2.0, SuperDoctor III, Watch Dog	IPMI 2.0, SuperDoctor III, Watch Dog
Drive Bays	6 hot-swap 3.5" SAS or SATA drive bays + 1 Hidden 2.5" drive bay	6 hot-swap 3.5" SATA drive bays + 1 Hidden 2.5" drive bay	6 hot-swap 3.5" SAS or SATA drive bays + 1 Hidden 2.5" drive bay
Peripheral Bays	1 slim DVD-ROM drive	1 slim DVD-ROM drive	1 slim DVD-ROM drive (optional)
Power Supply	1400W Gold Level high-efficiency redundant power supplies	1400W Gold Level high-efficiency redundant power supplies	1400W Platinum Level (94%+) Digital high-efficiency redundant power supplies
Cooling System	6x 8cm heavy duty fans with air shroud & optimal fan speed control	6x 8cm heavy duty fans with air shroud & optimal fan speed control	6x 8cm heavy duty fans with air shroud & optimal fan speed control
Form Factor	2U Rackmount 437 x 709 x 89mm (17.2" x 27.9" x 3.5")	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")	2U Rackmount 437 x 709 x 89mm (17.2" x 27.9" x 3.5")

Resource Optimized

UIO Server



MODEL	A+ Server 2022G-URF4+	A+ Server 2022G-URF	A+ Server 2021A-32R+/ A+ Server 2021A-T2R+
Processor Support	16/12/8/4-Core AMD Opteron™ 6000 Series Processors	16/12/8/4-Core AMD Opteron™ 6000 Series Processors	6-Core AMD Opteron™ 2000 Series Processors
Key Applications	High-end enterprise server, SQL server, high performance computer cluster (HPCC)	High-end enterprise server, SQL server, high performance computer cluster (HPCC)	Business critical applications, virtualization, front-end server, database applications, primary server for mid-size companies, internet, e-business, server clustering
Outstanding Features	<ul style="list-style-type: none"> 8 hot-swap 3.5" SATA/SAS drive bays (addition UIO SAS card required) Resource optimized system solution 4 Gigabit Ethernet ports 768GB DDR3 1600/1333/1066 SDRAM in 24 DIMMs Full-Height Full-Length expansion cards IPMI 2.0 management 920W Platinum-Level (94%+) high-efficiency redundant power supplies 	<ul style="list-style-type: none"> 8 hot-swap 3.5" SATA/SAS drive bays (addition UIO SAS card required) Universal I/O slot and PCI-E 512GB DDR3 1600/1333/1066 SDRAM 2 Gigabit Ethernet ports IPMI 2.0 management 720W Gold Level high-efficiency redundant power supplies 	<ul style="list-style-type: none"> Up to 8 drive bays Low-profile PCI-E 2.0 slots 128GB DDR2 800/667/533 SDRAM 2 Gigabit Ethernet ports SAS RAID support (2021A-32R+ only) IPMI 2.0, KVM with Virtual Media 720W Gold Level high-efficiency redundant power supplies
Serverboard/Chipset	H8DGU-LN4F+ / HyperTransport™ technology AMD SR5690+SP5100	H8DGU-F / HyperTransport™ technology AMD SR5670+SP5100	H8DI3+-F/H8DI+-F / HyperTransport™ technology AMD SR5690+SP5100
System Memory (Max.)	768GB ECC Registered DDR3 1600/1333/1066 SDRAM in 24 DIMMs	512GB ECC Registered DDR3 1600/1333/1066 SDRAM in 16 DIMMs	128GB ECC Registered DDR2 800/667/533 SDRAM in 16 DIMMs*
Expansion Slots	3 PCI-E 2.0 x8 1 Universal I/O (UIO) slot	1 Universal I/O (UIO) slot 3 PCI-E 2.0 x8 (full size)	2 PCI-E 2.0 x8 (using x16 slot) 1 PCI-E 2.0 x4 (using x8 slot) 2 64-bit PCI-X 133/100 MHz (All Low-profile slots)
Onboard SAS/SCSI/SATA/IDE/RAID	UIO SAS 8 port controller (Optional) AMD SP5100 for 6 SATA 2.0**	UIO SAS 8 port controller (Optional) AMD SP5100 for 6 SATA 2.0**	LSI* 1068E SAS Controller (2021A-32R+ only) AMD SP5100 for 6 SATA .02
Connectivity/VGA/Audio	Four LAN with two Intel® 82576 Gigabit Ethernet controllers Matrox G200eW graphics controller	Dual LAN with Intel® 82576 Gigabit Ethernet controller Matrox G200eW graphics controller	Dual LAN with two Intel® 82574L Gigabit Ethernet Matrox G200eW graphics controller
Management	IPMI 2.0, SuperDoctor III, Watch Dog	IPMI 2.0, SuperDoctor III, Watch Dog	IPMI 2.0, SuperDoctor III, Watch Dog
Drive Bays	8 hot-swap 3.5" SAS/SATA drive bays + 2 Hidden 2.5" drive bay	8 hot-swap 3.5" SAS/SATA drive bays + 2 Hidden 2.5" drive bay	8 hot-swap 3.5" SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive	1 slim DVD-ROM drive	1 slim DVD-ROM drive (optional)
Power Supply	920W Platinum Level (94%+) high-efficiency redundant power supplies	720W Gold Level high-efficiency redundant power supplies	720W Gold Level high-efficiency redundant power supplies
Cooling System	4x 8cm heavy duty fans with air shroud & optimal fan speed control	3x 8cm heavy duty fans with air shroud & optimal fan speed control	3x 8cm heavy duty fans with air shroud & optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 704mm (17.2" x 3.5" x 27.75")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Fully populated DDR2 800/667 memory will be downgraded to DDR2 533.

** Supermicro UIO card must be installed