



NexServ ARM-6241 Server

NexServ ARM-6241 is a versatile, rack-optimized, 1U general purpose server ideal for general purpose, datacenter and high-performance computing environments.

A Powerful, Solid Workhorse

The NexServ ARM-6241 Server maximizes system efficiency and security.

- **Optimized for Energy Efficient Performance:** Powered by dual AMD Opteron™ 6100 Series processors, the NexServ ARM-6241 delivers high-performance throughput for data communications systems that require high memory and exceptional I/O performance to deliver the network payload; AMD's NUMA architecture coupled with up to 16-cores per processor delivers the highest performance-per-CPU ratio available on the market today. This system addresses the demanding needs of today's enterprise markets including: telecommunications, storage, and high performance computing.
- **Customize It to Meet Your Exact Specifications:** The NexServ ARM-6241 server offers highly scalable, high performance memory; 16 DIMMs of registered or unbuffered DDR3 memory ensures ample capacity and energy-efficient performance for any application. NexServ ARM-6241 also provides maximum flexibility and scalability by offering a wide array of configurations to choose from: up to four 2.5" or 3.5" drive bays for any combination SAS/SATA drives and SSDs; the two peripheral drive bays may be used for additional storage.

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Processor	Dual AMD G34 Socket Dual AMD Opteron 6100™ Series Processors, 16/12/8-Core Ready 3.2GHz HT 3.0 Link
Chipset	AMD Chipset SR5670 / SP5100
Memory	Sixteen 240-Pin DIMM Sockets Supports up to 256GB 1333/1066/800MHz DDR3 ECC/Non-ECC/Un-Buffered Memory Quad Channel Memory Bus
HDD Support	Four 3.5" SATA Hot-Swap Drive Bays AMD SP5100 (RAID 0, 1, 10) RAID 0, 1, 10 Support
Peripheral Drive Bays	One Slim Optical Peripheral Drive Bay (Supports 2.5" HDD/SSD) One Slim Floppy Drive Bay (Supports 2.5" HDD/SSD)
I/O Ports	Seven USB 2.0 Ports One VGA Port One UID Indicator One PS/2 Keyboard One Mouse Port Two Fast UART 16550 Serial Ports (One DB9 and One Internal Header) Six SATA 2.0 3Gb/s Ports
Expansion Slots	One (x16) PCI-e 2.0 slot (Full Height, Full Length) and One (x8) PCI-e Slot (using UIO slot)
Network Conrollers	Intel® 82576 Controller, Dual-Port Copper (RJ-45) Gigabit Ethernet 10/100/1000BASE-T Support
Power Supply	700W AC Power Supply with PFC (80+ Gold Certified)
Dimensions (H x W x D) & Weight	1.75" x 17.25" x 25.6" / 44mm x 438mm x 650mm 36lbs / 16.3kg
Operating Temp	Operating Temperature: 10° To 35°C (50° To 95° F) Non-Operating Temperature: -40° To 70° C (-40° To 158° F)
Form Factor	1U Rackmount Server Chassis



7669 Limestone Drive
Gainesville, VA 20155
Toll-Free: 1 (888) RING-NCS
Voice: (703) 743-8500 / Fax: (703) 621-1701
www.ncst.com

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