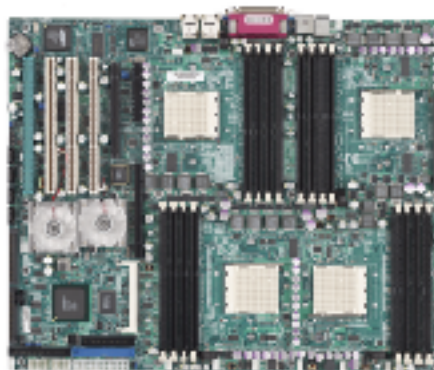


A+ H8QC8 Serverboard Specifications

1. Quad AMD Opteron 800 Series Processor supported - 940-pin ZIF Socket
2. nVidia nForce Pro 2200 & Hypertransport AMD 8132 PCI-X Tunnel
3. Up to 32/64/64 GB of ECC registered DDR 400/333/266 SDRAM
4. Adaptec AIC-7902 dual-channel Ultra320 SCSI; ZCR support
4. ATI Rage XL 8MB PCI graphics controller
4. Dual Gigabit Ethernet ports
5. nVidia nForce Pro 2200 SATA2 (3 Gbps) controller for 4 ports
6. 2 PCI-Express x8, 2 PCI-X 133/100MHz & 2 PCI-X 100MHz
7. IPMI 2.0 socket for server management



Preliminary

Processor/Cache

Processor	Quad AMD Opteron 800 series processors w/HyperTransport links support up to 8GB/s data transfer rate each link
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Chipset

nVidia® nForce Pro 2200 & AMD Hypertransport 8132 PCI-X Tunnel

System Memory

Memory Capacity	Sixteen DIMM sockets for up to 32/64/64GB of ECC DDR 400/333/266 memory
Memory Type	DDR 400/333/266 registered SDRAM 72-bit ECC, 184-pin gold-plated DIMMs
Memory Voltage	2.5 V only
Error Detection	Corrects single-bit errors, detects double-bit errors (using ECC memory), and supports Chipkill technology

Integrated On-Board

LAN	Dual LAN with Intel 82546GB Gigabit Ethernet
VGA	ATI Rage XL 8MB PCI graphics controller
SATA	nVidia nForce Pro 2200 controller
Super I/O controller	Winbond 83627HF chip

Input/Output

PCI-X/PCI	1 PCI-Express x8, 1 PCI-Express x8 (using x16 slot), 2 64-bit PCI-X 133/100MHz & 2 PCI-X 100MHz
SATA	nVidia nForce Pro 2200 controller for 4 SATA2 (3 Gbps) ports; RAID 0, 1, 10, JBOD
USB	Four USB 2.0/1.1-compliant ports (two USB rear connectors, one internal header for 2 connectors)
IDE	Two ATA133/100 EIDE channels for a total of four IDE devices backward compatible
Serial	Two serial ports (one port & one header)
Printer	One ECP/EPP parallel port
Floppy controller	1.44MB support
Keyboard/Mouse	Two PS/2 ports

Serverboard Management

Hardware	Watch Dog, NMI, IPMI 2.0
Software	Super● Doctor III, IPMI 2.0
Thermal Control	Overheat LED indication, fan speed control, 8 4-pin PWM
PC Health Monitoring	Monitors CPU core voltages, +1.5V, +3.3V, +5V, +12V, -12V, 3.3V standby, and total of 8-fan status, supports system management utility, chassis intrusion header
Other Features	ACPI/APM power management, Internal/external modem ring-on, WOL, WOR & control of power-on mode for recovery from AC power loss
BIOS	AMI 8Mb Flash EEPROM

Mechanical

Serverboard Size	Ext. ATX 16" x 13"
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08/29/05

For the most current product information, visit: www.supermicro.com/aplus