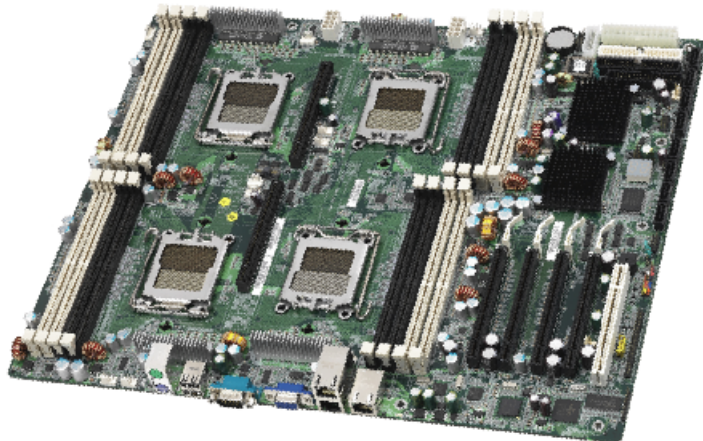


8-Socket Server Solution



S4985-SI + M4985-SI

S4985G3NR-SI



Industry-Leading 8-socket AMD Opteron™ server platform

- Four LGA 1207 sockets support up to (4) AMD 45nm Quad-Core Opteron™ 8300 series processors
- Support AMD Dual Dynamic Power Management (DDPM) feature
- nVIDIA nForce® Professional 2200 + 2050 (NFP 2200 + NFP 2050)
- (16) 240-pin DDR2 DIMM slots support up to 128GB registered DDR2 800/667/533/400 w/ ECC memory
- (2) PCI-E x16 slots
- (2) PCI-E x16 slots (w/ x4 link)
- (1) PCI 32/33MHz slot
- (8) SATA-II ports w/ RAID 0, 1, 0+1, 5 support
- (3) GbE LAN
- MEB (13" x 16") form factor
- Optional TYAN® M3291 SMDC for IPMI v2.0 support



S4985-SI



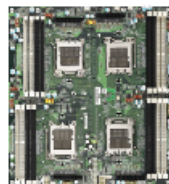
HT Edge Card



M4985-SI



8-Socket Solution



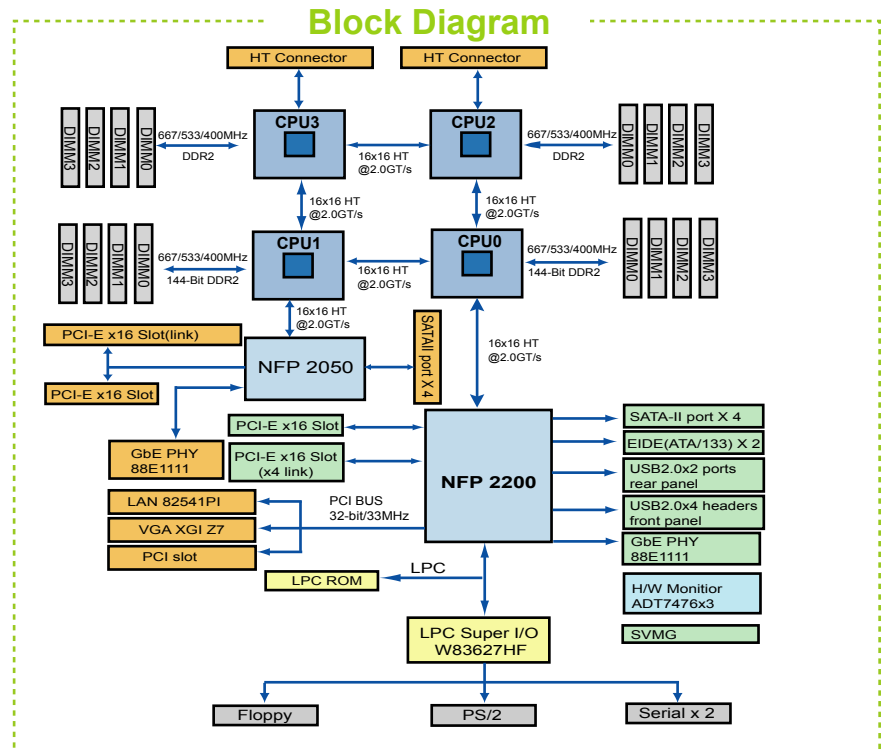
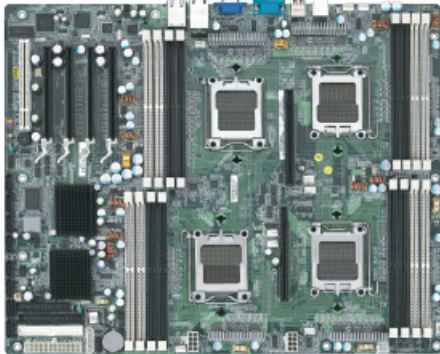
M4985-SI Processor

- Processor Expansion Board of S4985-E w/ dual HyperTransport™ v1.0 Links
- Four LGA 1207 sockets support up to (4) AMD 45nm Quad-Core Opteron™ 8300 series processors
- (16) 240-pin DDR2 DIMM slots support up to 128GB registered DDR2 800/667/533/400 w/ ECC memory

S4985-SI + M4985-SI

S4985G3NR-SI

TOP View



S P E C I F I C A T I O N S

Processors

- Four LGA 1207 sockets
- Support up to (4) AMD 45nm Quad-Core Opteron™ 8300 series processors
- Support 4.4GT/s Hyper-Transport™ inter-processor link
- Support AMD Dual Dynamic Power Management (DDPM) feature

Chipset

- nVIDIA nForce® Professional 2200 + 2050 (NFP 2200 + NFP 2050)
- Winbond W83627HF Super I/O
- (3) Analog Devices ADT7476 Hardware Monitoring IC

Memory

- Dual channel memory bus
- (16) 240-pin DDR2 DIMM slots
- Support up to 128GB registered DDR2 800/667/533/400 w/ ECC memory

Expansion Slots

- (2) PCI-E x16 slots
- (2) PCI-E x16 slots (w/ x4 link)
- (1) PCI 32/33MHz slot
- Total (5) expansion slots

Integrated I/O

- (1) Floppy connector
- (2) ATA133/100 IDE connector
- (8) SATA-II connectors
- (4) USB v2.0 headers
- (1) 9-pin serial port header

- (1) 15-pin parallel port header
- (1) 2x9-pin TYFP header

Integrated PCI Graphics

- XGI Volari™ Z7 graphics controller
- PCI interface
- 16MB video frame buffer memory

Integrated ATA-133

- (2) ATA-133 channels
- Support up to (4) ATA-133 devices

Integrated Serial ATA Controller

- SATA-II controllers integrated in NFP2200 and NFP2050
- (8) SATA-II ports w/ RAID 0, 1, 0+1, 5 support

System Management

- Modular 2x25-pin header for SMDC support
- (6) 4-pin fan headers support tachometer monitoring & smart FAN control (PWM)
- (4) 3-pin fan headers support tachometer monitoring
- Temperature & voltage monitoring
- Port 80h LED display

Integrated LAN Controllers

- (2) Marvell 88E1111 GbE PHY
- (1) Intel 82541PI GbE LAN controller
- (3) 10/100/1000 LAN ports

BIOS

- Phoenix BIOS on 8Mbit LPC Flash ROM
- ACPI 2.0; Power management: S0, S1, S4, & S5
- Serial Console Redirect
- USB device boot
- 48-bit LBA support

Power

- EPS12V 24 + 8 + 8-pin power connector

Form Factor

- MEB (16" x 13")

Regulatory

- FCC Class A (Declaration of Conformity)
- CE (Declaration of Conformity)

Server Management

- Optional TYAN® M3291 SMDC
- IPMI v2.0 compliant

Back Panel I/O Ports

- (1) stacked PS/2 connector for mouse and keyboard
- (1) stacked 2-port USB 2.0 connector
- (1) DB-9 serial port
- (1) D-sub VGA port
- (2) stacked RJ-45 connectors
- (1) RJ-45 connector

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