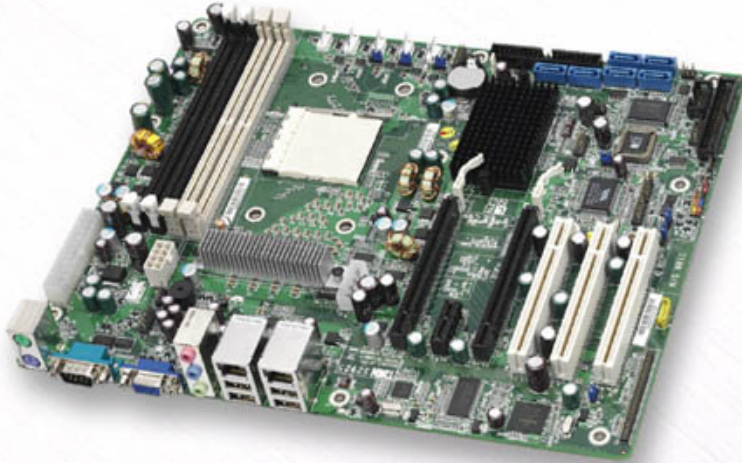


Workstation Solution



Tomcat n3400B

S2925



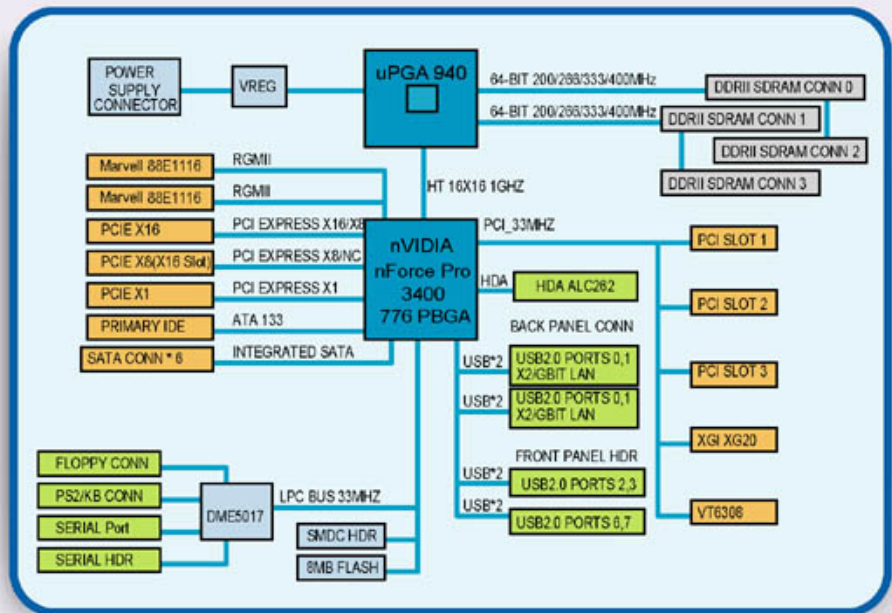
Entry WS/Server Platform in ATX

- Single uPGA 940-pin socket support AMD Opteron™ 1000 Series Processor (Socket AM2)
- (4) DDR2 DIMM
Support DDR2 533/667/800 Unbuffered (ECC) memory
- (1) PCI- E x16 ; (1) PCI-E x8 slot
(1) PCI-E x 1; (3) 32-bit, 33MHz PCI v2.3 slots
- (1) ATA IDE slot for two IDE devices ; Supports six serial ports running at 3.0Gb/s NV RAID 0, 1, 0+1, 5 and JBOD support
- (2) nForce Pro 3400 integrated MAC with Marvell 88E1116-CAA Gigabit Ethernet PHY
- XGI XG20 with 16MB DDR memory

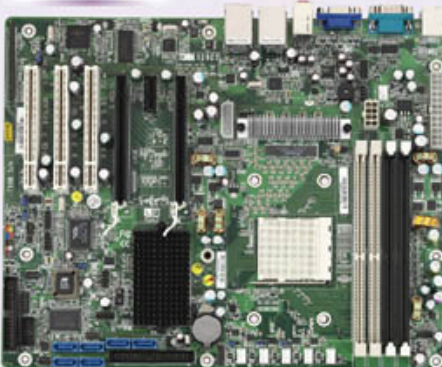
Tomcatr n3400B

S2925

▼ Block Diagram



▼ TOP View



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

Processors

- uPGA 940-pin AM2 socket
- AMD Opteron™ 1000 series Processor

Chipset

- nVIDIA nForce Pro 3400
- SMSC DME5017

Memory

- Dual memory channels
- Supports up to four DDRII-800 DIMMs
- Up to 8GB of Unbuffered, ECC/non-ECC memory

Expansion Slots

- One x16 PCI Express connector for graphics
- One x16 PCI Express with x8 bandwidth
- One X1 PCI Express connector
- Three 32-bit, 33MHz PCI v2.3 slots
- Total six usable expansion slots

Back Panel I/O Ports

- Stacked PS/2 Mouse & Keyboard ports
- One COM1 connector
- One 15-pin VGA port
- 3 audio jacks (from bottom: line out<green>, line in<blue>, MIC<pink>)
- Stacked two USB2.0 ports and one RJ45 (Marvell 88E1116-CAA PHY +nVIDIA MAC) 10/100/1000 Base-T port with link/activity LED
- Stacked two USB2.0 ports and one RJ45 (Marvell 88E1116-CAA PHY +nVIDIA MAC) 10/100/1000 Base-T port with link/activity LED

System Management

- SMSC DME5017 w/ hardware monitoring
- Six 4pin FAN header
- Temperature and voltage monitoring
- Watchdog timer
- Port 80 code display LED

Integrated PCI IDE

- One ATA IDE slot for two IDE devices
- Support for ATA-133/100/66/33 IDE drives and ATAPI compliant devices

Integrated Serial ATA II

- Serial ATA II Host controllers embedded
- Supports six Serial ports running at 3.0Gb/s
- NV RAID 0, 1, 0+1, 5 and JBOD support
- SATA activity LED connector

Integrated I/O Interfaces

- One Floppy connector
- Four USB 2.0 Ports (via cable)
- One COM port (via cable)
- Tyan 2 x 9 front-panel pin header
- 2x25 pin SMDC pin header for SMDC
- One Parallel pin header
- One ID LED pin header
- One TYFP2 pin header

Integrated 2D/3D PCI Graphics

- XGI® XG20™ PCI graphics controller
- 16MB Frame Buffer of video memory

Integrated LAN controllers

- Two nForce Pro 3400 integrated MAC with Marvell 88E1116-CAA Gigabit Ethernet PHY

- IEEE802.3 compliant, WOL/PXE support
- Pin header for front panel LAN LED

Integrated Audio

- Realtek ALC262 audio CODEC
- HDA 2.0 specification complaint
- 2 x 5 pin header for front panel audio connector
- CD-in connector

Integrated PCI 1394

- Co-layout with VIA VT6307 and VT6308 PCI FireWire (IEEE1394) controller
- Two IEEE1394 ports (via cable)

BIOS

- AMI BIOS® 8Mbit Flash
- Supports ACPI 1.0
- PnP, DMI2.0, WfM2.0 Power Management

Power

- ATX12V support, On board 4-phase VRD
- Universal 24-pin + 8-pin power connectors
- 4-pin auxiliary power connector

Form Factor

- ATX footprint, 9.6" x 12.0" (244mm x 305mm)

Regulatory

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

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