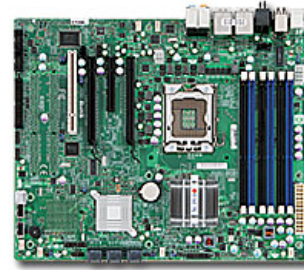


1. Intel® Core™ i7 processor, Core™ i7 Extreme Edition, and future Intel® Nehalem processor families
2. Intel® X58 Express Chipset
3. Quick Path Interconnect (QPI) up to 6.4 GT/s
4. 24GB of DDR3 Unb. ECC or Non-ECC 1600/1333/1066/800 SDRAM
5. 2 PCI-E 2.0 x16, 1 PCI-E x4 (using x8 slot), 1 PCI
6. Intel ICH10R for 6 SATA2 (3 Gbps); RAID 0, 1, 5, 10
7. Intel Dual 82574L Gigabit Ethernet controllers
8. Realtek ALC883 HD 7.1 Audio with S/PDIF output
9. 2x IEEE 1394a headers
10. Supports nVidia® SLI™ and ATI® CrossFireX™ technology



Processor/Cache

Processor	Intel® Core™ i7 processor, Core™ i7 Extreme Edition, and future Intel® Nehalem processor families
Cache	8MB/L2 cache
QPI	up to 6.4 GT/s

Chipset

Intel® X58 Express Chipset
Intel ICH10R

System Memory

Memory Capacity	Six DIMM sockets for up to 24GB of DDR3 Unb. ECC or Non-ECC 1600/1333/1066/800 memory
Memory Type	DDR3 Unb. ECC or Non-ECC 1600/1333/1066/800 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	4GB, 2GB, 1GB, 512MB, 256MB
Memory Voltage	1.5V
Error Detection	Corrects single-bit errors, detects double-bit errors (using ECC memory), and supports Intel® Single Device Data Correction (SDDC)

Integrated On-Board

SATA; RAID	Intel ICH10R for 6 SATA with RAID 0, 1, 5, 10 support
Audio	Realtek ALC883 7.1 HD
LAN	Intel® Dual 82574L Gigabit Ethernet controller
IEEE port	2x IEEE 1394a headers
Super I/O controller	Winbond® 83627DHG chip

Input/Output

PCI-X/PCI Express	2 PCI-E 2.0 x16, 1 PCI-E x4 (using x8 slot), 1 PCI
SATA	Six ports
USB	12 USB 2.0-compliant ports (8 rear + 2 on-board + 1 header)
Serial ports	Two serial headers
Floppy controller	1.44MB support
Keyboard/Mouse	Two PS/2 ports
Audio	6 analog and S/PDIF output

Serverboard Management

Hardware	Watch Dog, NMI
Software	Super ●Doctor III
Thermal Control	4-pin PWM fan speed control & overheat LED indication
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V & +5V standby and total of 6-fan status, supports system management utility, chassis intrusion header
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC, TM2 & CPU thermal trip support for processor protection
BIOS	AMI 4Mb SPI Flash ROM

Mechanical

Recommended Chassis	Mid-Tower, Tower
Serverboard Size	ATX 12" x 10"