



DETONATOR™



Relentless Performance

Through Liquid Submersion

Created to be the ultimate workstation for professionals demanding maximum speed, power and versatility with rock-solid stability



Features

- Sustained optimal performance
- Plug-and-play architecture allows easy upgrades
- Purpose-built motherboard designed for speed raw and compute power
- Get more work done in less time
- Core Coolant™ keeps components cooler, which improves reliability



Processor Support

- 2 x FC-LGA 1366 sockets
- Intel® 5500 and 5600 series Xeon® processors (including 6-core)
- QPI 6.4GT/s (nominal)

Chipset

- Intel® 5520 (IOH36D, C2 stepping)
- Intel ICH10R
- NVIDIA® NV200

Memory

- 4 x DDR3 slots per CPU, 3 x channel configuration with 1 expansion slot
- 4 x DIMMs/socket at 1066MHz (nominal)
- 3 x DIMMs/socket at 1333MHz (nominal)
- Registered, unregistered, non-ECC and ECC DIMMs are supported

Network Connectivity

- 2 x 1.0Gb/s LAN

Storage

- 3 x 3.0Gb/s SATA II slots on motherboard for up to 3 x 2.5 inch internal SSDs in RAID 0, 1 or 5
- 2 x 3.0Gb/s SATA II slots on top plane for up to 2 x 3.5 inch hot-swappable HDs (or SSDs) in RAID 0 or RAID 1
- 1 x 3.0Gb/s SATA II slots on top plane board for optical drive support
- 4-drive RAID 0, 1, 5 or 10 possible, combining internal and external drives
- 5-drive RAID 0, 1 or 5 possible, combining internal and external drives

USB

- 5 x external top plane USB 2.0 ports
- 1 x internal top plane USB 2.0 ports
- 4 x front panel USB 2.0 ports

BIOS

- Custom AMI® UEFI BIOS

IEEE 1394

- 1 x IEEE 1394 port on top plane I/O board
- 1 x IEEE 1394 on front panel connector

Integrated Audio

- Creative Labs® X-Fi® audio processor (20K2)
- EAX® 5.0 surround technology
- 128MB audio effects cache memory
- Analog 7.1 speaker output
- Analog stereo headphone channel
- Analog stereo powered line input
- Analog stereo microphone input
- SPDIF optical digital output
- SPDIF optical digital input
- SPDIF coaxial digital output
- SPDIF HDMI digital video card output

PCI-E 2.0, x16 Expansion Slots

- 3 x PCI-E 2.0, x16 each, available
- Support for up to 3 graphics cards
- 3-way ATI® graphic card Crossfire® support

Power

- Up to 2 x 650W additive and redundant PSUs
- Gold finger blade design eliminates cable connections to motherboard
- 3 x 16-pin (6 x 6+2-pin) supplemental video power connectors

Custom Cooling

- Patented full liquid submersion of all active components is 1350 times more effective than air at removing heat
- Core Coolant™ dielectric fluid is clear, odorless, biodegradable and safe
- Quiet but powerful radiator/fan design

Form Factor

- 13.5 inch x 16 inch custom motherboard