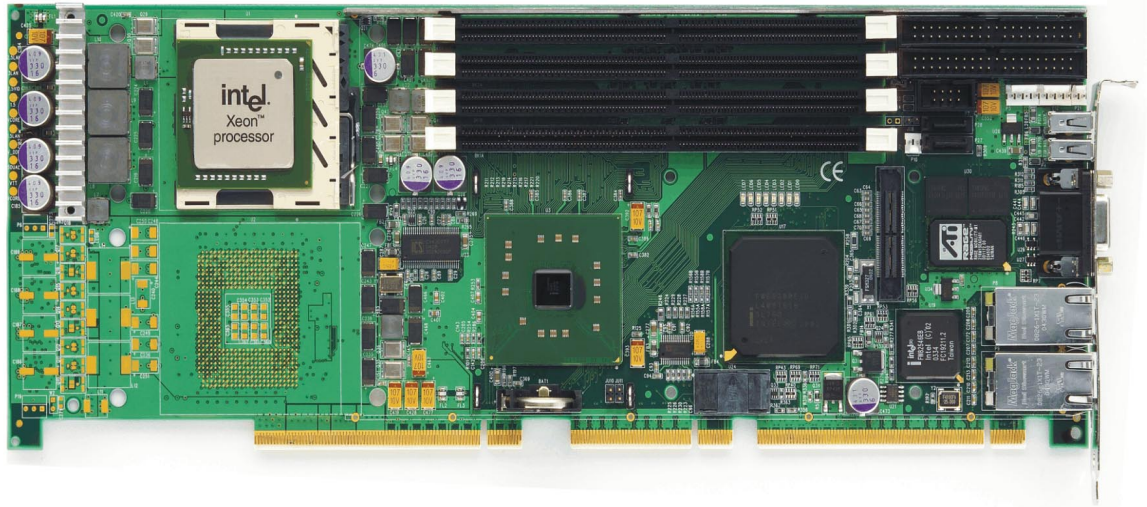


Transduction

TR-NLI

Xeon Single Board Computer

TR-NLI Single Board Computer



Features

- ▶ Intel® Xeon™ processor with the Intel® E7520 chipset.
- ▶ Provides PCI Express™ interfaces to the backplane.
- ▶ Compatible with SHIB Express™ (PICMG® 1.3) specification.
- ▶ Accepts 32-bit and 64-bit applications via Intel® Extended Memory 64 Technology.
- ▶ Utilizes dual channel DDR2-400 memory, 8GB maximum.
- ▶ Dual Gigabit Ethernet.
- ▶ Dual Serial ATA/150 and dual USB 2.0 ports with two additional USB 2.0 interfaces.
- ▶ Accepts PCI Express, PCI-X and PCI option cards.

Transduction

TR-NLI

Xeon Single Board Computer

Specification

Processor

- ▶ Intel® Xeon™ processors at speeds of 2.8GHz to 3.6GHz
- ▶ Processor Package: FC-mPGA4 package (604-pin)
- * *Higher speeds also available*

Chipset

- ▶ Intel® E7520

Memory

- ▶ 4 x 184-pin DIMM sockets
- ▶ Up to 8.0GB DDR2-400
- ▶ PC-3200 ECC

LAN

- ▶ 2x 10/100/1000 Base-T Ethernet, Intel 82546EB controller chip, RJ-45 connectors

Video

- ▶ ATI® RAGE™ MOBILITY™ MI video controller
- ▶ Provides 8MB of integrated video memory

PCI/PCI-Express

- ▶ PCI Express Edge Connector A & B - two x8 links, one x4 link - five reference clocks
- ▶ PCI Express one x4 link (on-board only)
- ▶ PCI-X 64-bit/66MHz (on-board only)
- ▶ PCI 32-bit/33MHz (on-board only)
- ▶ Hub Link 1.5 - 266MB/s
- ▶ System or FSB 800MHz

On Board I/O

- ▶ Dual SATA/150 Disk Ports
- ▶ 2 x Serial Ports, 16C550 UART's
- ▶ 1 x EBP/EPP/ECP Parallel Ports
- ▶ 2 x USB 1.1 Ports
- ▶ PS/2 Mouse / Keyboard interface

Watch-Dog Timer

- ▶ Two operating modes; free-running and one-shot mode
- ▶ Two-stage watchdog timer; stage one can generate IRQ, SMI or SCI, stage two generates a programmable watchdog timer reset from 1 ms ~ 10 minutes

Additional Features

- ▶ Programmable System Hardware Monitor to monitor voltage, fan speed and temperature

Power

- ▶ ATX +12V, 4-pin connector for Xeon +5V, +12V, +3.3V
- ▶ TR-NLI Power Fail Detection feature continuously monitors voltages

Operating Temperature

- ▶ 0°C to 45°C operating range
- ▶ Relative Humidity: 5~90%, non-condensing

Storage Temperature

- ▶ -20°C to 70°C

Warranty: 3 years +10% for 5 years

Ordering Information

- ▶ TR-NLI/3.6 - Xeon 3.6GHz
- ▶ TR-NLI/3.2D - Xeon 3.2GHz
- ▶ TR-NLI/2.8L - Xeon 2.8GHz