PCI-760

Full size PICMG 1.3 Board SHB

Features of the PCI-760:

- Supports Intel® Core™ 2 Duo / Quad (Desktop)
- 800/1066/1333 MHz Front Side Bus
- Intel® Q35 GMCH and Intel® ICH9DO
- Up to 8GB 667/800 MHz DDR2 SDRAM memory
- Triple 10/100/1000 BaseT-TX Ethernet
- Intel® Active Management Technology (ver. 3.0)
- 6x SATA II, 12x USB 2.0, VGA

Technical Information

Form Factor
Full size PICMG 1.3 form factor (13.33 x 14.98 inch).

Processor
Intel® Core™ 2 Duo/Quad Desktop (LGA-775)

FSB
800/1066/1333 MHz

Memory
Up to 8 GB DDR2 RAM (4 sockets, 2 channels)
DDR2 at 667 or 800 MHz, unbuffered, non-ECC
Support for onboard USB Intel® Flash Modul (Z-U130)

Video
Intel® Integrated Graphics Engine (GMA 3100)
1x PCIe X16 for external PCI Express-based graphics card (routed to the PICMG1.3 edge connector)
1x VGA (connector on bracket), supports resolutions up to: 2048x1536 at 75Hz (QXGA)

PCI
Compliant with PCI Local Bus Specification Rev. 2.2
Supports up to 4 external PCI-masters

MiniPCI
Supports one MiniPCI Type IIIA connector (124-pin)

Networking
3x Gigabit Ethernet (2x RJ45; 1x Backplane)
Intel 82566DM (ICH9DO GLCI)
Realtek RTL8111B (PCI Express using PCIe X1)
Realtek RTL8111 (PCI, routed to PICMG1.3 edge connector)

TPM
Onboard TPM 1.2, Infineon SLB9635TT1.2

USB
Support for 12 USB 2.0 ports

Audio
Integrated high definition audio (HDA) controller, ALC882 Codec

SATA
6x SATAII interfaces (300Mbps)

SPI-Flash
In case of an emergency the BIOS can be updated via USB FDD with special „crisis-disk".

BIOS
AMI Standard BIOS (AMI BIOS Core 8.00.15)
ACPI 1.0/2.0
Supports Boot Devices:
USB-(FDD,HDD,Stick,CD/DVD),
SATA/Raid-HDD,LAN,CD-ROM
Save CMOS to Flash
Battery free operation

LPC Super I/O
Serial
Two 16550 compatible serial ports RS232 (COM1 and COM2).
COM2 interface software configurable as RS232, RS422 ord RS485
Parallel
One parallel port (IEEE 1284, SPP, EPP, ECP)

Power Supply
Required voltages supplied by the backplane via PICMG 1.3 connector
CPU core power supplied by a 4-pin power header

Hardware Monitor
All voltages on BUS
3x fans
CPU and additional temperature

Operating Systems
Windows®VISTA
Windows®XP
Linux

Fan Connectors
Support for three fans with tachometer via standard 4-pin locking connectors

PICMG 1.3 edge connector
PCI 32 bit, 33 MHz
PEG (PCIeX16)
4x PCIe X1 or 1x PCIe X4
4x USB 2.0
2x SATA II
1x Gigabit LAN

VGA 2x USB 2x LAN

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