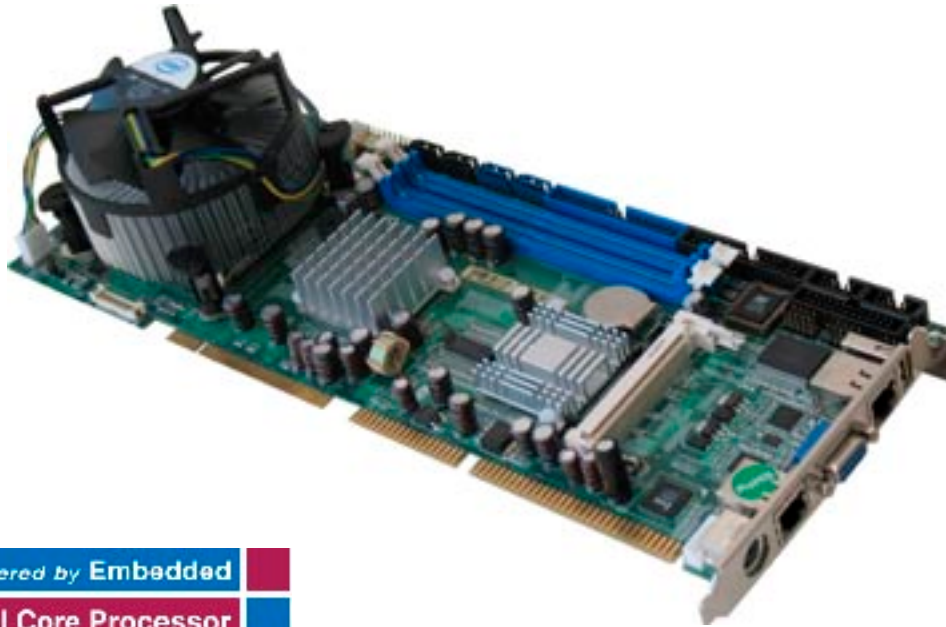# ➤ PCI-759

Full-size PICMG 1.0 single-processor system host board

powered by Embedded

Dual Core Processor

- ➤ Supports Intel®Core™ 2 Duo on LGA775

- ➤ Intel® Graphic Media Accelerator 950

- ➤ 1066/800/533 MHz System Bus

- ➤ DDR2 400/533/667 support up to 4 GB (~3GB usable)

- ➤ High-speed USB 2.0 ports

- ➤ 2 Gigabit Ehternet ports

- ➤ 4 Channels SATA II

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➤ Product Overview

The PCI-759 is a full-size PICMG 1.0 form factor single-processor system host board based on the Intel® 945G chipset with ICH7 I/O Controller Hub. It supports the Intel® Core™2 Duo, Celeron® S Processor on the LGA775 socket. Chipset features include 1066/800/533MHz Front Side Bus, 2 DIMMs Dual Channel DDR2 667/533/400 MHz up to 4 GB,

Intel® Graphic Media Accelerator 950 technology with VGA up to 2048x1536x8bit at 75Hz and 24-bit LVDS via DVO up to 1600x1200.
I/O features of the PCI-759 include onboard Gigabit Ethernet, Ultra ATA/100, 4x SATA 3Gb/s, CompactFlash Type-II, Mini PCI slot, 32-bit/33MHz PCI bus, two UART compatible serial ports, parallel port, floppy drive port, PS/2 Keyboard and Mouse

➤ Technical Information

Specifications
Full-size PICMG 1.0 ,Singele Board Computer

Dimensions (L x W)
338.6 mm x 122 mm (13.33" x 4.8")

Processors
Intel® Core™2 Duo
1066/800/533MHz Front Side Bus
Auto-selection of CPU frequency and core voltage

Chipset
Intel® 945G Graphic Memory Controller Hub (GMCH)
Intel® I/O Controller Hub 7 (ICH7)

BIOS
Support for 4 Mb Firmware Hub
BIOS write protection provides anti-virus capability
DMI BIOS Support
Supports system soft power-off (via ATX power supply)
Supports PXE Remote Boot and Supports boot from USB Decive

System Memory
Dual Channel DDR2 400/533/667 MHz
2 DIMMs, maximum 4 GB

Graphics
GMCH analog RGB output on the faceplate
Intergrated VGA on Intel

PCI Support
PCI local Bus Specification, Rev 2.3 compliant
PCI Golden Fingers, Mini PCI card slot x1

Bus on PICM 1.0
ISA Interface, I/O & IRQ supported only, does not support DMA & bus master PCI bus (32-bit at 33 MHz)

I/O Controller
LPC Super I/O conroller Winbond W83627EHF

On-board LAN
Onboard Marvell 88E8053 supports 2 GbE ports on faceplate

ISA Interface
PCI to ISA Bridge - ITE8888G

Peripheral Support
One IDE Channel supports one Ultra ATA 100/66/33 device (Master)
One CompactFlash I/II port via IDE (Slave)
Supports 4 channels Sata 3 Gb/s
One Mini PCI card slot
Two COM ports (Internal Pin Header)
COM 1: RS-232, COM 2: RS-232/422/485
One internal bi-direction parallel port with SPP/ECP/EPP mode
One internal Audio interface connector (optional HD Audio daughter board)
One internal floppy port
On bracket PS/2 KB/Mouse connector
7 USB 2.0 Ports: three 5x2 pin header for internal, one on bracket

Watchdog Timer
1-255 step, can be set with software on Super I/O

Hardware Monitor
Temperature, fans and voltage monitoring
Fan speed control and monitoring

Operating Temperature
0°C - 60°C

Certifications
CE, FCC Class A

➤ Corporate Offices

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