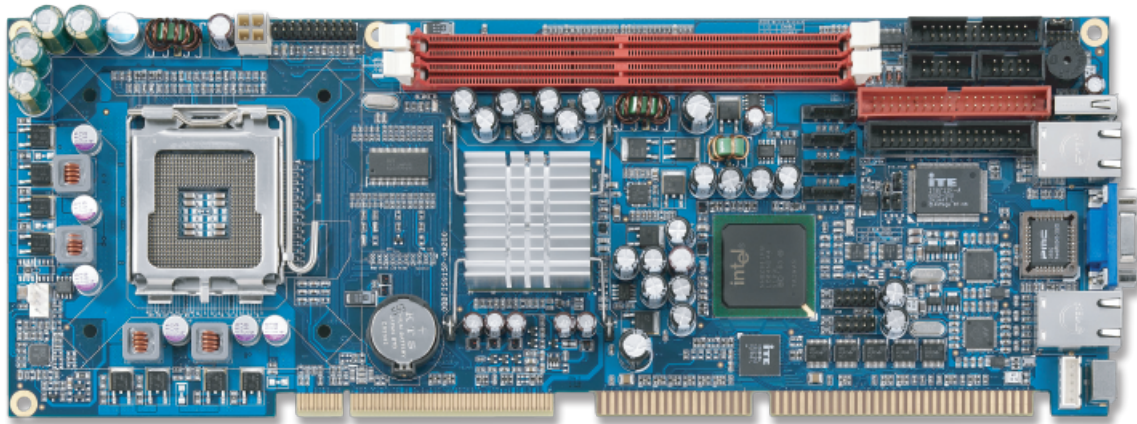


➤ PCI-755

Full-Size SBC featuring Intel® Pentium® 4 or Celeron® D Processor with VGA, Dual Gigabit Ethernet, USB 2.0, SATA



- LGA775 socket support, 800/533 MHz System Bus
- Hyper-Threading Technology Support
- DDR2 and 400/533 up to a maximum of 2GB
- High-speed USB 2.0 ports
- 2 Gigabit Ethernet ports
- 4 Channels SATA 1.5Gb/s
- Watchdog Timer

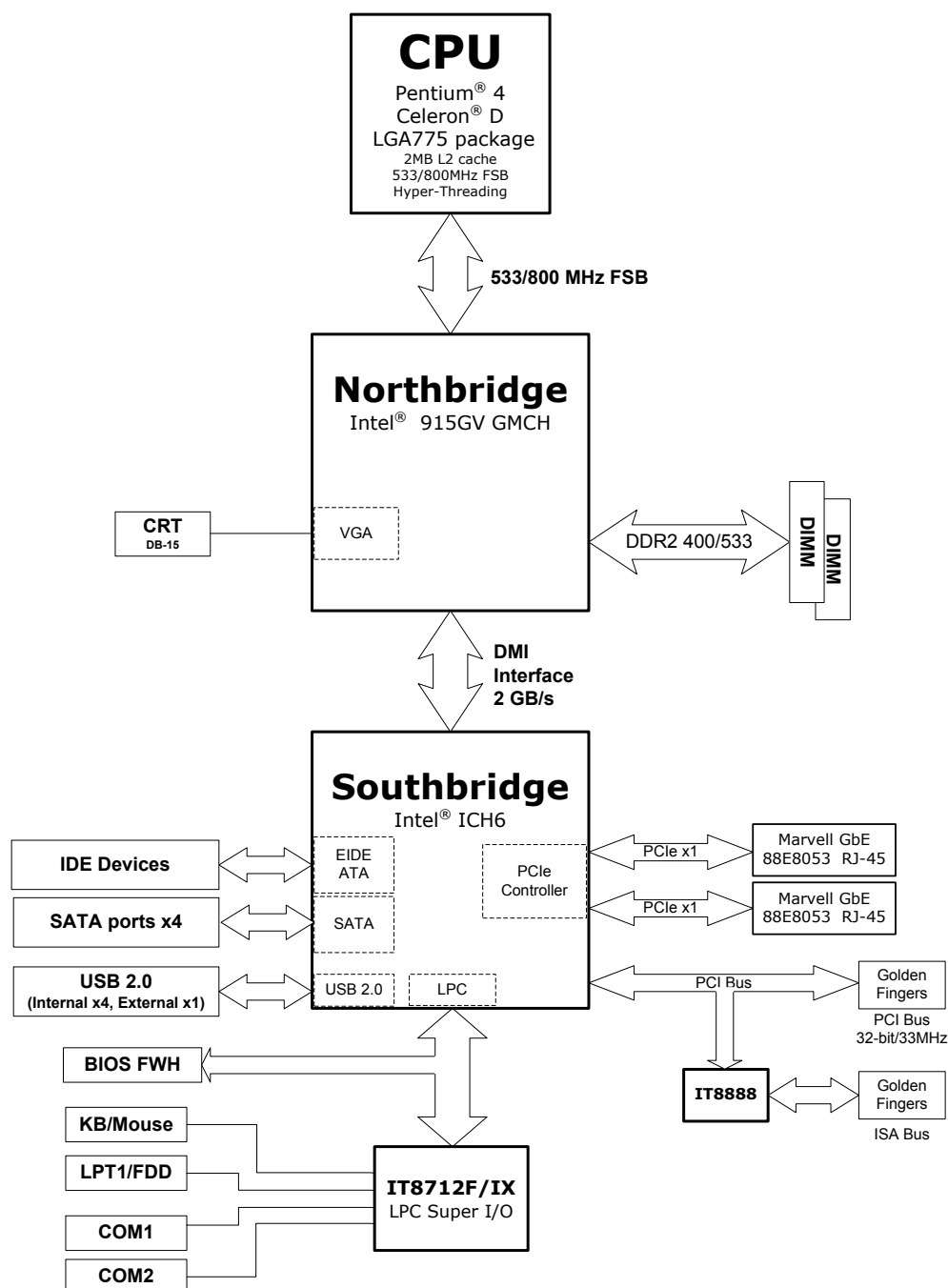
Product Overview

The PCI-755 is a full-size PICMG 1.0 form factor single-processor system host board based on the Intel® 915GV chipset with ICH6 I/O Controller Hub. It features the 90nm process Intel® Pentium® 4 Processor with LGA775 socket, 800MHz Front Side Bus, and 2MB L2 cache and supports DDR2 DIMM 400/533MHz, up to 2 DIMMs and a maximum of 2GB. The Intel® Graphic Media Accelerator 900 technology with VGA up to 2048x1536x8bit at 75Hz resolution,

PCI-Express LAN, USB 2.0 and SATA round out the package for a powerful rack-mount or wall-mount system.

I/O features of the PCI-755 include a 32-bit/33MHz PCI Bus, onboard Gigabit Ethernet, LPC, EIDE Ultra ATA/100, 4 Channels SATA 1.5Gb/s, UART compatible serial ports, parallel port, floppy drive port, PS/2 Keyboard and Mouse.

Block Diagram



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Technical Information

Specifications
Full-size PICMG 1.0 Single Board Computer Dimensions: 338.6mm (L) x 122mm (W) (13.33"x4.8")
Processors
Single Processor with Intel® Land Grid Array 775 (LGA775) package Intel® Pentium® 4 Processor or Celeron® D with 1MB L2 cache 533/800MHz Front Side Bus Auto-selection of CPU frequency and core voltage Intel Hyper-Threading Technology supported
Chipsets
Intel® 915GV Graphic Memory Controller Hub (GMCH) Intel® I/O Controller Hub 6 (ICH6)
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 Supports boot from USB Device
System Memory
DDR2 400/533MHz up to 2 DIMMs Maximum 2GB System Memory
Graphics
GMCH analog RGB output on the faceplate. Resolution up to 2048 x 1536 at 75Hz
PCI Support
PCI Local Bus Specification, Rev 2.3 compliant PCI Golden Fingers

Bus on PICMG 1.0
ISA Interface, I/O & IRQ supported only (no DMA & bus master support) Supports one PCI bus (32-bit at 33MHz)
Clock Generator
Integrated Circuit Systems ICS954101 (CK410)
I/O Controller
LPC Super IO controller ITE IT8712F/HX
On-board LAN
2x Marvell 88E8053 GbE - RJ45 on faceplate Supports IEEE 802.3x compliant flow control Supports IEEE 802.3ab Auto-Negotiation of speed, duplex and flow control
Peripheral Support
1x IDE supports two devices 4x SATA 1.5Gb/s devices 5x USB Rev. 2.0 (4x internal, 1x external) 2x 16550 UART compatible serial ports with ESD protection 1x parallel port with SPP/ECP/EPP mode 1x floppy port PS/2 Keyboard and Mouse port on bracket CPU FAN connector for FAN speed control
Watchdog Timer
Two-stage watchdog timer
Miscellaneous
Voltage, fans and CPU/System temperature monitoring. Fan speed control and monitoring



Product Information

Article	Part No.	Description
PCI-755	BFIS915P-001000N	Full-Size SBC supporting Intel® Pentium® 4 or Celeron® D Processor with VGA, Dual Gigabit Ethernet, USB 2.0, SATA
CPU Cooler	0H05CPU92926500L	Standard CPU cooler for LGA775 socket (92x92x65.6mm)
CPU Cooler (slim)	0ZCC00LER000000L	Slim CPU cooler for LGA775 socket - up to 3.4GHz (93x93x29.5mm)



Standard CPU cooler



Slim CPU cooler

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