

### Full-Size PICMG P4 FSB800/ DDR400 SBC with Dual-Gigabit Ethernet, Serial ATA, USB 2.0

#### Features

Support Intel P4 processor with Hyper-Threadnig Technology

FSB up to 800/533/400MHz

Up to 2 GB DDR 400/ 333 SDRAM of system memory

Dual 10/100/1000Mbps Gigabit Ethernet

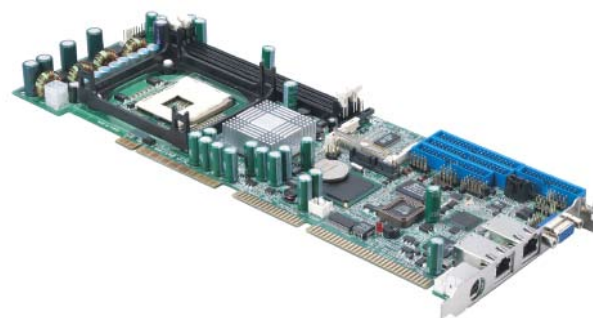
Dual-Serial ATA channels

Intel latest chipset build-in VGA controller with 256-bits 3D/ 2D engine

Onboard CompactFlash Type-II socket

ISA 64mA High Drive Capacity

Watchdog Timer



#### Specification

##### Form Factor

Full-Size PICMG-bus SBC

##### CPU

Intel mPGA478 Pentium 4 / Celeron CPU @ 800/533 MHz FSB

##### Chipset

Intel Springdale with ICH5

##### Memory

2 GB DDR 400/ 333 DRAM on 2 x 184-pin DIMM sockets

##### VGA Interface

Intel GMCH built-in VGA controller with external DB15 female connector on bracket

##### LAN Interface

Dual Intel 10/100/1000Mbps Gigabit Ethernet LAN controller with RJ-45 connector

##### Audio Interface

Intel chipset with onboard AC'97 3D audio codec

##### Serial ATA Interface:

Dual-Serial ATA host controllers, support two independent DMA channels on two ports. The Serial ATA interface supports data transfer rate up to 1.5GB/s

##### IDE Interface

Dual UltraATA/100 bus master IDE channels up to 4 ATAPI devices, IDE2 supports +5V Vcc for additional

DiskOnModule (DOM) flash disk

##### CompactFlash Socket

Onboard CompactFlash type-II socket, bootable solid state disk, support Compact Flash Card and IBM MicroDrive disk, jumper selectable master / slave mode on primary ATAPI device

##### Multi-I/O Port

Two RS-232 Serial ports with 16C550 compliant UART and 16 bytes FIFO

Four USB 2.0 ports with up to 480 Mbps of bandwidth

One SPP/EPP/ECP parallel port

One IrDA port

One FDD port

One external PS/2 keyboard / mouse and one internal AT keyboard port

##### Watchdog Timer

Generates NMI or system reset with 1 to 255 sec. / min. of time out value

##### BIOS

Phoenix-Award PnP flash BIOS

##### OS Compability

Windows 2000, Linux 9.0

##### Real Time Clock

Built-in integrated RTC with onboard lithium battery

##### ISA High Drive

ISA 64mA high Drive capacity with buffer on address and data bus

##### Power Requirement

+5V, +12V, -12V

##### Board Dimension

338 x 122 mm (L x W)

##### Operation Temperature

0 ~ 60°C (32 ~140°F)

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