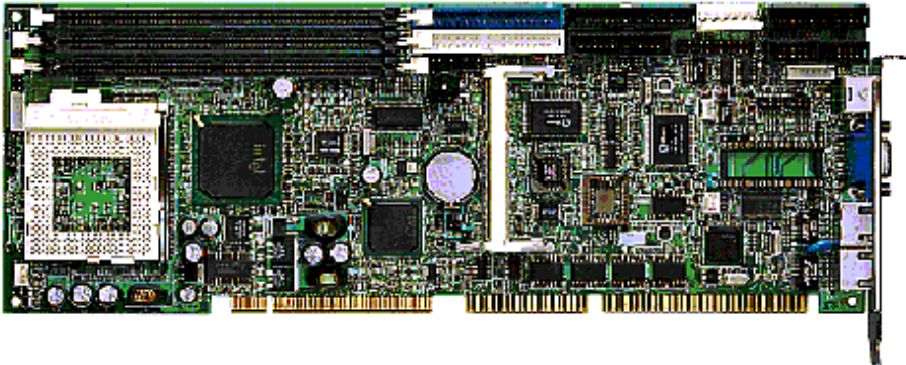


CI7SMP Technical Data



This CI7SMP is one of the world's highest performance PICMG CPU cards which integrates the Intel 815E chipset and supports a Socket 370 connector for Intel Pentium III or Celeron processors with frequencies of up to 1GHz. Equipped with 1 MicroPCI Socket, users get to choose to insert VGA/ LAN/ IDE RAID/ SCSI/ Audio MicroPCI card. It also supports Dual LAN function comes with Intel ICH2 LAN chip and Intel 82559 LAN chip simultaneously.



- Intel Pentium III/ Celeron processor with 256/128 KB L2 Cache
- Up to 512 MB of 100/133 MHz unbuffered SDRAMs in three 168-pin DIMMs
- PCI Ultra DMA 33/66/100 IDE Support
- Internal graphics in Intel 815E chipset Built-in CRT/TFT VGA support and AC97 Audio CODEC Support

High performance Full-Size SBC

The CI7SMP Full-size SBC features a 64-bit Intel Pentium III/ Celeron processor with on-die 256/128 KB L2 pipelined burst cache (full CPU core speed, ECC capable).

It supports up to 512 MB memory, high performance PCI Ultra DMA33/66/100 IDE.

Onboard support two Universal Serial Bus (USB) ports, serial/parallel ports, and a floppy interface are standard. This Full-Sized SBC provides access to ISA bus peripheral modules such as LAN and video controllers.

The CI7SMP also offers an optional 1 **MicroPCI socket**, users get to choose to insert VGA/ LAN/ IDE RAID/ SCSI/ Audio MicroPCI card.

Headquarters

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CI7SMP Technical Data



CPU

Intel® Pentium III/ Celeron processor
500MHz~1GHz with 256/128 KB L2 cache in
FCPGA370 Package and higher becomes
available

Chipset

Intel 815E and ICH2

Bus Interface

Front Side Bus (100/133 MHz)
AGP bus
PCI Bus (33 MHz)
ISA Bus (8.33 MHz)

Memory

Three 168-pin latching DIMM sockets, 64-bit
Up to 512 MB with 2, 4, 8, 16 or 32M x 64,
100/133 MHz SDRAM / Registered SDRAM
non ECC mode

Data Path

Data Path 64-bit on CPU and video memory
bus; 32-bit on PCI bus, 16-bit on ISA bus

Flash Memory

512KB for BIOS field upgrade
4 KB Serial EEPROM for user configuration
I/O

I/O Port

I/O: Winbond 83627HF low pin count
USB Ports: Four
USB Port: Ver 1.1
Serial Ports: Two 16550 UART compatible
ports with COM1 as RS232 and COM2 as
RS232/RS422/RS485
Parallel Port: One high-speed parallel port,
SPP/EPP/ECP mode
Floppy Disk: Support for two floppy drivers
EIDE: 4 EIDE drivers, support PIO Mode 4
or Ultra DMA 33/66/100
Ethernet: Intel ICH2 Built-in 10/100 Mbps LAN
chipx1, Intel 82559 10/100 Mbps LAN chipx1
support
SSD Interface: One DOC Socket to support
SSD size up to 288M

VGA Display

Accelerated Graphics Port (AGP) 64-bit
CRT/Flat Panel controller runs in internal
graphics mode with Intel 815E Chipset.
TFT/CRT panels drive with resolution up to
1600x1200 pixels.

Clock / Calendar

Real-time clock with 256 byte battery backup
CMOS RAM

BIOS

Award BIOS in Boot Block Flash with emergency
recovery code; save CMOS in Flash option
Auto configuration, extended setup;
PnP tables Setup console redirection
to serial port (VT100 mode) with CMOS setup
access Diskless, keyboardless and videoless
operation extensions; system and BIOS
shadowing
Programmable bus and I/O speeds, and memory
wait states CC00-E000 address blocking
Advanced Power Management (APM 1.2,
SMI/SMM/ACPI) support with programmable
resume by alarm and wake-up events

Supervisory

Watchdog timer (0~254.5 Sec/Min. typ.)
Power failure/low battery detector

OS Compatibility

PC and MS-DOS™; Windows® 95;
Windows® 98 series; Windows® 2000;
Windows® Me and Windows® NT 4.0
Linux Series

Power Requirements

Supply Voltage $V_{cc} = +5V \pm 12V$

Environmental:

Temperature: 0° to 60°C

Humidity (RNC): 5% to 95%

Storage Temperature: -25~65 deg. C.

Mechanical:

13.3"x 4.8" Full-size SBC

Reliability

Mouse / keyboard voltage protected by self-
resetting fuses
24 months limited warranty
6 hours 45°C dynamic burn-in

EMI:

CE Certified
FCC Certified
FCC Class A

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