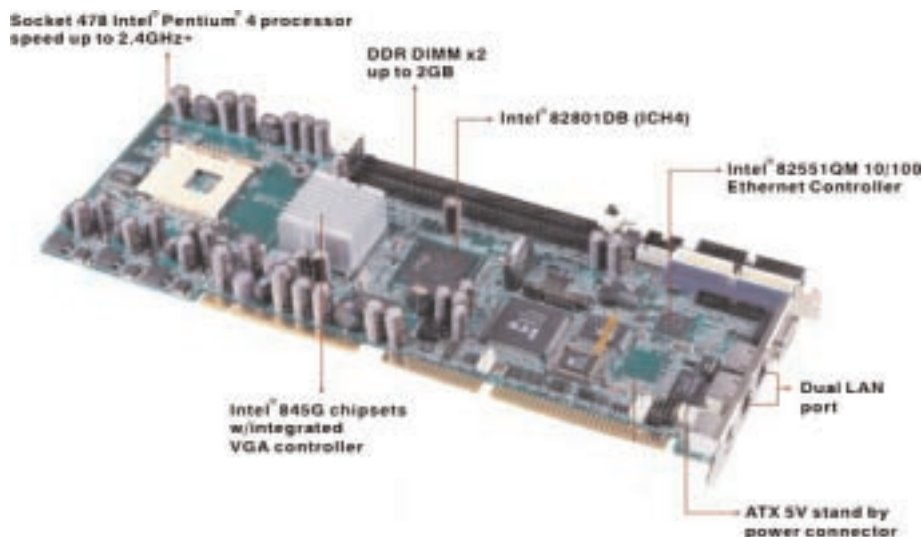


StarRay II

Pentium® 4 full size Socket 478 w/VGA/Dual LAN/DDR



Ordering Information

STARRAY II

PICMG Single Board Computer for Pentium 4 socket 478 processors up to 2.4 GHz.

Options

PFO-P4-xxx (Call your local sales contact for availability)

DDR Memory Options

64MB DDR DIMM
128MB DDR DIMM
256MB DDR DIMM
512MB DDR DIMM
1 GB DDR DIMM

Specifications

Microprocessor

- Pentium 4 CPU with 256K/512K cache on die, CPU running at 400/533MHz system bus up to 2.4GHz+

Chipset

- Intel® 845 (GMCH) chipset
- PCI V2.2 compliant

Dynamic Ram

- Supports 2x DDR200/266 (Double Data Rate) DRAM up to 2GB (Max.)
- Support Single-sided/Double-sided
- Support unbuffered non-ECC DIMMs only

BIOS

- Award System BIOS
- ACPI 1.0 compliant
- 4M bits flash ROM

Watchdog Timer

- 1-128 seconds time-out intervals

Onboard I/O

- ITE 8712F-A Super I/O
- SIO x2, with 2x16C550 UARTs, 10pin header x2
- PIO x1, bi-directional, EPP/ECP support, 26 pin connectorx1
- Floppy Disk controller: 34 pin connector x1
- 6 pin mini DIN connector x1, for PS/2 kb/mouse, 5 pin connector x 1(for external keyboard)
- Optional on-board compact flash socket
- On Board buzzer x1
- GPIO (4 in 4 out)
- On board 4 pin Additional Power Source Input
- On board 2 pin header for I C
- On board 2 pin header for reset SW / 2 pin for IDE active LED/2 pin ATX power SW
- On board 4-pin additional power source input
- AC97 output, 10-pin header x1

Onboard VGA

- Intel 82845G (GMCH) chipset
- Hardware motion compensation assist for software MPEG/DVD decode
- 64MB VGA share Memory
- 1.5V AGP interface 4X
- Fully PC 98 and PC 99 Compliant
- 15 pin CRT connector x1

Onboard LAN

- Dual Intel 82551QM 10/100 ethernet controllers
- Compliant with PCI V2.1/V2.2, IEEE802.3, IEEE 802.3u, IEEE802.3x, IEEE802.3y, IEEE802.3ab
- WfM 2.0 compliant
- Drivers support DOS/Windows, Windows 95/98/2000, Windows NT, Netware 5.0, Linux
- RJ45 with LED connector x 2

System monitoring

- Derived from Super IO ITE 8712F-A to support system monitor
- 8 voltage (For +1.5V, +3.3V, +5V, -5V, +12V, -12V, Vcore and Vcc5V Stand-By)
- One fan speed for CPU; one fan speed for System
- Temperature sensor header x2 (one for CPU internal use, another for external system use)

Power Requirements

- (12A@+5v) (12A@+12v) (500mA@-12v)

Operating Environments

- Temperature 0 to +60° C
- Storage -20 to +80° C
- Humidity 10% to 90% non condensing

Certification

- CE approval
- FCC Class A