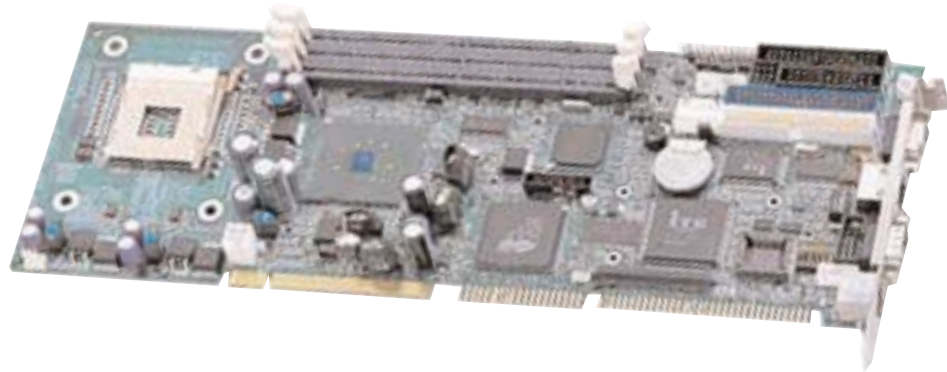


StarRay

Pentium 4 full size Socket 478 w/VGA/LAN



Ordering Information

STARRAY

PICMG Single Board Computer for Pentium 4 socket 478 processors up to 2 GHz.

Options

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

Specifications

Microprocessor

- Pentium 4 CPU with 256K cache on die, CPU running at 400MHz system bus up to 2GHz+

Chipset

- Intel 845 (MCH) chipset
- PCI V2.2 compliant

Dynamic Ram

- Supports SDRAM up to 3GB (Max.)
- 3 x 168 pin DIMM sockets
- ECC supported

BIOS

- Award System BIOS
- 4M bits flash ROM

Watchdog Timer

- 1-64 seconds time-out intervals

Onboard I/O

- ITE 8712F-A Server I/O
- SIO x2, with 2 x 16C550 UARTs, 10 pin header x1, D-Sub 9 pin x1
- PIO x1, bi-directional, EPP/ECP support, 26 pin connector x1
- Floppy Disk controller: 34 pin connector x1
- On board buzzer x1
- On board 2 pin header for I2C
- On Board 2 pin header for reset SW / 2 pin for IDE active LED / 2 pin ATX power SW
- One 3 pins power header for 3 pins Power Cable connect to Backplane Board to support ATX Power On function
- On board 4 pin Additional Power Source Input

Onboard VGA

- ATI Rage 128 Pro (Ultra 4XL) VGA Controller, 1.5V AGP 4X interface
- 16MB VGA Memory on board
- Fully PC98 and PC99 Compliant
- 15 pin CRT controller x1, 20 pin DVI connector x1

Onboard LAN

- ICH2 embedded MAC with Intel® 82562EM(PLC) PHY 10/100 Ethernet controller
- Single Chip 10/100 Base T/TX x 1 support, full duplex
- Compliant with PCI V2.2, IEEE 802.3X
- Drivers support: DOS/Windows®, Windows® 95/98/2000, Windows® NT, Netware 5.0, SCO Open Server 5.0, Linux
- RJ45 with LED connector x1
- Support Remote Monitoring (Alerting on LAN)

System monitoring

- Derived from Super IO ITE 8712F-A to system monitor
- 8 voltages (For +1.8v, +3.3V, +5V, -5V, +12V, -12V, Vcore and Vcc5V Stand-By)
- One Fan speed (For CPU), Two for System Fan
- 3 temperatures (one for CPU, the others for system)

Power Requirements

- (+5v@10A) (+12v@10A) (-12v@50mA)

Operating Environments

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

Certification

- CE approval
- FCC Class A