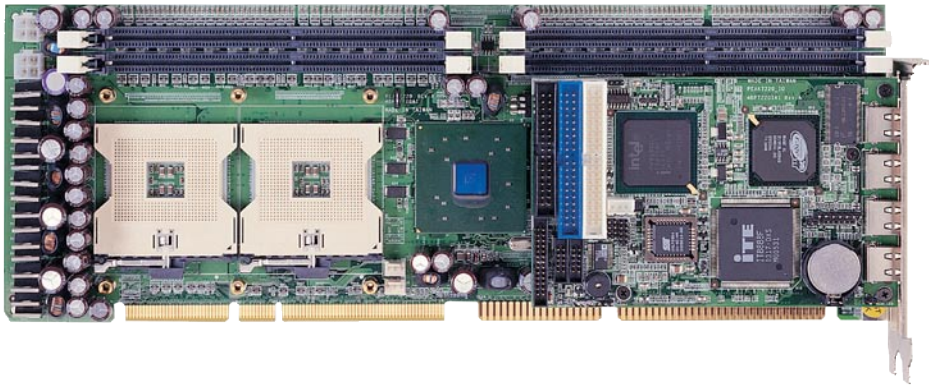


# SolarRay

## Dual Intel® XEON full size Socket 604 w/VGA/LAN/DDR



Full Size 64bit/66MHz  
PICMG SBC



### Ordering Information

#### SolarRAY

PICMG Single Board Computer for Intel Xeon socket 604 processors up to 3.06 GHz.

#### Options

Xeon or Dual Xeon (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

- Dual Xeon / LV Xeon processors with 400/533MHz FSB up to 3.06GHz+

#### Chipsets

- Intel® E7501 chipsets
- Intel ICH3-S (82801CA)
- Intel P64H2 (82870P2) x1
- Intel Firmware Hub (FWH)
- PCI V2.2 compliant

#### Dynamic Ram

- Supports 4x DDR200/266 (Double Data Rate) DRAM DIMM up to 8GB (Max.)
- Support two 64-bit DDR channels
- Support registered/ECC DIMMs only

#### BIOS

- Award System BIOS Plug'N'Play support
- ACPI 2.0 compliant
- 8M bits flash ROM

#### 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 connector x1
- 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)
- On Board buzzer x1
- GPIO (4 in 4 out)
- 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
- On board 4-pin additional power source input
- AC97 output, 10-pin header x1

#### Onboard VGA

- ATI Rage XL with 8MB frame buffer memory
- Fully PC 98 and PC 99 compliant
- 15 pin CRT connector x1

#### Onboard LAN

- Dual Intel 82545EM (PRO/100 MT Network connection) Gigabit Ethernet controllers
- Compliant with IEEE802.3, IEEE 802.3u, IEEE802.3x, IEEE802.3y, IEEE802.3ab
- WfM 2.0, PC2001 compliant
- 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; temperature x2 (one for CPU internal use, another for external system use)

#### Power Requirements

- (25A@+5v) (20A@+12v) (TBD@-12v)

#### Operating Environments

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

#### Dimensions

- 338.58 mm (L) x 122 mm (W)
- 13.3" (L) x 4.8" (W)
- Customized heatsink/FAN to cover dual processors
- height : 2U

#### Certification

- CE approval
- FCC Class A