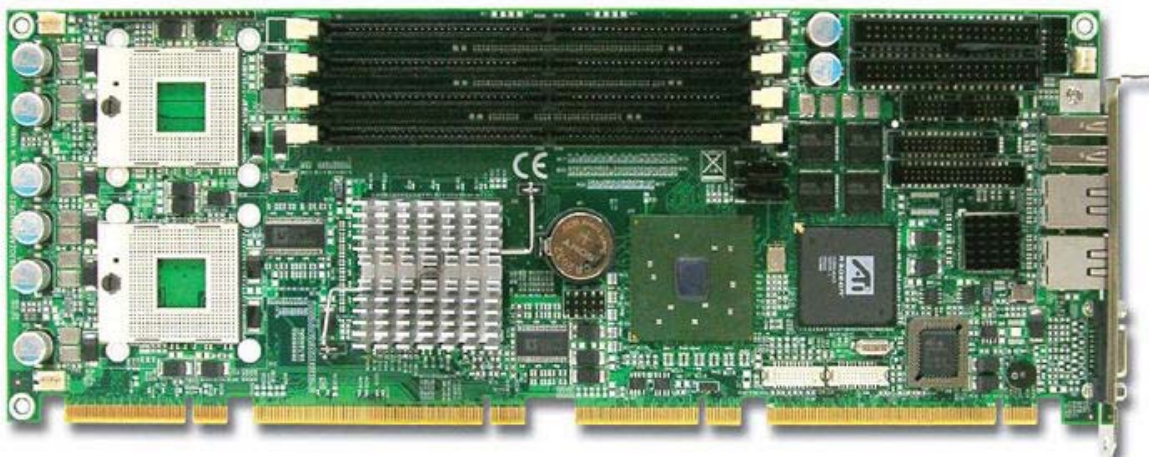


# ThornbackRay

## Intel® Dual-Core Xeon PICMG 1.3 SBC w/ Dual Ethernet



### Ordering Information

#### ThornbackRAY-VG2

Socket mFCPGA Intel® dual-Core Xeon processor based PICMG 1.3 Single Board Computer with DDR2 400 SDRAM, VGA and Dual Gigabit Ethernet

#### Options

PS/2 keyboard/mouse connectors on bracket (Call your local sales contact for availability)

### Specifications

#### Microprocessor

- Dual-Core Intel® Xeon® processor LV 2.0GHz (single or dual processor) in mFCPGA package
- FSB: 667MHz

#### Chipset

- Intel® E7520 and 6300ESB

#### System Memory

- Up to 8GB DDR2 400 SDRAM on four 240-pin DIMM sockets
- Support ECC, registered

#### BIOS

- Award BIOS

#### Display

- ATI RADEON 7000 graphic controller
- 32MB DDR Memory (up to 64MB based on project) graphic memory
- Support CRT and optional second CRT & TMDS (DVI) display interfaces

#### Ethernet

- PCI Express x4 interface based Intel® 82571 dual Gigabit Ethernet controller
- Dual RJ-45 connector with two LED indicators

#### Expansion Interface

- One PCI Express x8
- Three PCI Express x4
- Four PCI devices

#### EIDE

- Support dual EIDE devices with Ultra DMA 100/66/33

#### SATA

- Support dual SATA 150 drive

#### Solid State Disk

- One Type II CF socket; One Primary EIDE channel
- Bootable for embedded application

#### I/O

- Two serial (RS232), one parallel, and one FDD channel
- Dual USB port on bracket dedicated to keyboard & mouse
- Four USB 2.0 ports

#### Hardware Monitoring

- System monitor (fan, temperature, voltage)

#### Watchdog Timer

- Software programmable from 0.5 sec. to 254.5 min

#### Power Requirements

- Typical: +5V@3.6A; +12V@3.4A

#### Operating Environments

- Operating temperatures: 0°C to 60°C
- Storage temperatures: -20°C to 80°C
- Relative humidity: 5% to 90% (non-condensing)

#### Dimensions

- 338.6mm(L) x 126.39mm(W)  
13.33"(L) x 4.98"(W)

#### Certification

- CE approval
- FCC Class A

For Further Information Email: [sales@ibus.com](mailto:sales@ibus.com)