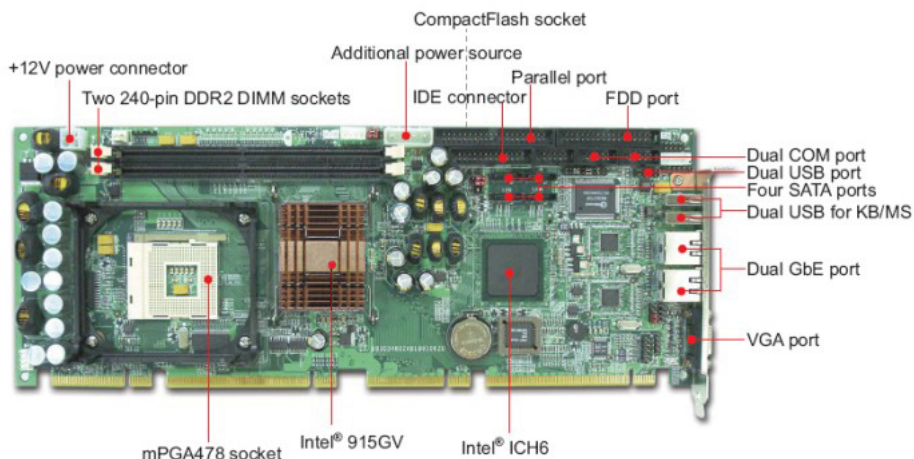


# BlackRay

## Socket 478 Pentium® 4 or Celeron® D PICMG 1.3 SBC



### Ordering Information

#### BlackRAY-VG2A

Socket 478 Pentium® 4 or Celeron® D processor based PICMG 1.3 SHB with DDR2 533 SDRAM, VGA, Dual Gigabit Ethernet and Audio

#### Options

Multimedia kit w/audio & USB ports, and PS/2 keyboard/mouse connectors on bracket (Call your local sales contact for availability)

### Specifications

#### Microprocessor

- Intel® Pentium® 4 or Celeron® D processor in the mFCPGA package
- FSB: 800/533MHz

#### Chipset

- Intel® 915GV and ICH6

#### System Memory

- Up to 2GB DDR2 533/400 SDRAM on two 240-pin DIMM sockets

#### BIOS

- Award BIOS

#### Display

- Intel® 915GV integrated Intel Graphics Media Accelerator 900 (Intel GMA 900)
- Dynamic share system memory up to 224MB (Intel® DVMT 3.0) or static share system memory up to 128MB
- Display resolution up to 2048x1536 @ 85Hz refresh
- Provide incredible visual quality, smooth video playback, and support for key 3D features

#### Ethernet

- 10BASE-T/100BASE-TX/1000BASE-T Ethernet
- Dual RJ-45 connector with two LED indicators

#### Audio

- AC'97 2.3 Audio

#### PCI Express Interface

- Four PCI Express x1

#### PCI

- Four PCI master

#### EIDE

- Two EIDE devices with Ultra DMA 100/66/33

#### Solid State Disk

- One Type II CF socket; On Primary EIDE channel; Bootable for no drive on primary channel

#### I/O

- Support four SATA 150 drives
- Two serial, one parallel, one IrDA and eight USB 2.0 ports (two ports on bracket for keyboard & mouse)
- 8 high driving GPIO (4 GPI/GPO programmable, 4 GPO)

#### ACPI

- Wake-On-LAN

#### Hardware Monitoring

- System monitor (fan, temperature, voltage)

#### Watchdog Timer

- Software programmable from 0.5 sec. to 254.5 min

#### Power Requirements

- TBA

#### Operating Environments

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

#### Dimensions

- 338.5mm(L) x 126.39mm(W)

#### Certification

- CE approval
- FCC Class A