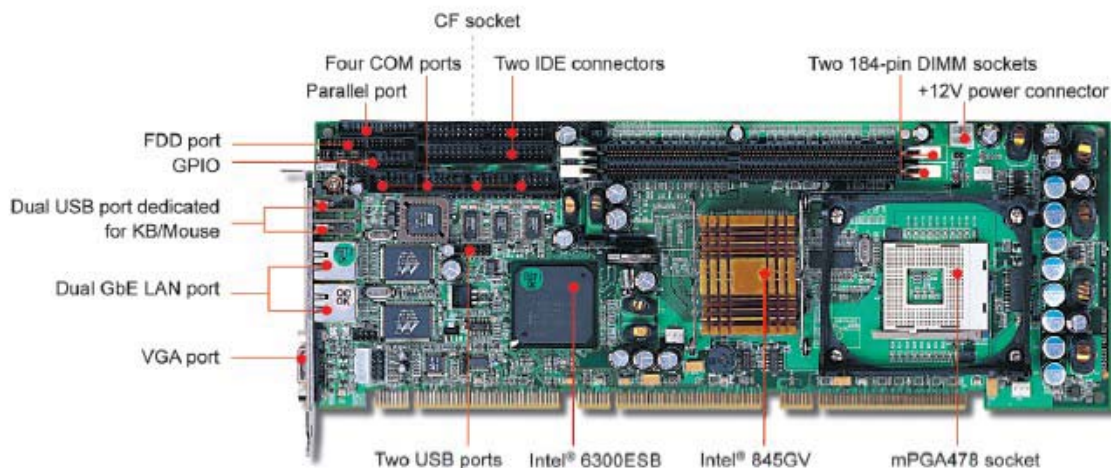


# BlueRay

## Pentium® 4 or Celeron® (D) PICMG 1.2 SBC



### Ordering Information

#### BlueRAY-VG2A

Intel® Pentium® 4 or Celeron® (D) processor based PICMG 1.2 (ePCI-X) SHB with DDR SDRAM, VGA, dual Gigabit Ethernet, audio and USB 2.0

#### Options

Multimedia kit for P4 w/audio & USB ports, and PS/2 keyboard/mouse connectors on bracket (Call your local sales contact for availability)

### Specifications

#### Microprocessor

- Intel® Pentium® 4/Celeron® D or Mobile Intel® Pentium 4-M processor in the mPGA478 package
- FSB: 800\*/533/400MHz

#### Chipset

- Intel® 845GV and 6300ESB

#### System Memory

- Up to 2GB DDR 400\*/333/266 SDRAM on two 184-pin DIMM sockets

#### BIOS

- Award BIOS

#### Display

- Intel GMCH integrated graphics controller
- Dynamic 8 ~ 64MB shared display memory (Intel® DVM T)
- Display resolution up to 2048x1536 @ 60Hz refresh
- Superior 2D, 3D and video performance

#### Ethernet

- 10BASE-T/100BASE-TX/1000BASE-T Ethernet
- IEEE 802.3u auto-negotiation
- Dual RJ-45 connector with two LED indicators

#### Audio

- AC'97 2.2 Audio

#### Expansion Interface

- One PCI bus
- One PCI-X bus (66MHz only)

\* Represents to be 'over-clocking'

#### EIDE

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

#### Solid State Disk

- One Type II CF socket
- On Secondary EIDE channel
- Bootable for no drives on primary channel

#### I/O

- Four serial (RS-232x3, selectable RS-232/422/485x1) & one IrDA 1.0
- Four USB 2.0 ports (Two ports on bracket for keyboard & Mouse)
- Dual SATA port
- 8 high driving GPIO (4 GPI, 4 GPO)

#### ACPI

- Modem-Ring-On and Wake-On-LAN

#### Hardware Monitoring

- System monitor (fan, temperature, voltage)

#### Watchdog Timer

- Software programmable from 0.5 sec. to 254.5 min

#### Power Requirements

- Typical: (+5V/2.2A) (+12V(CPU)/6.5A) (+12V (system)/0.1A) (+3.3/0.4V)

#### Operating Environments

- Operating temperatures: 0°C to 55°C
- Storage temperatures: -20°C to 80°C
- Relative humidity: 5% to 90% (non-condensing)

#### Dimensions

- 338.5mm(L) x 122mm(W)

#### Certification

- CE approval
- FCC Class A