

# TorpedoRay+

## Pentium® 4/Celeron Socket 478 Processor Card



### Ordering Information

#### IBC 2908VG

Intel Pentium® 4 or Celeron® processor based PICMG SBC with DDR, VGA, Dual Gigabit Ethernet, Audio and USV 2.0

#### Accessory Options

Please ask when ordering.

### Specifications

#### Microprocessor

- Support one mPGA478 socket Pentium® 4/ Celeron® or Mobile Pentium® 4-M Processor up to 3.0 GHz

#### Chipset

- Intel 845GV and ICH4

#### Bus

- 400/533 MHz Front Side Bus

#### Memory

- Supports 266/300 Mhz DDR SDRAM
- Up to 2GB
- Two 184-pin DIMM sockets

#### BIOS

- Award BIOS

#### Watchdog Timer

- Programmable, 0.5 sec. ~ 254.5 min.

#### Solid State Disk

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

#### ACPI Function

- ATX function with 4-pin header to backplane
- Modem-Ring-On and Wake-On-LAN

#### Hardware Monitoring

- System monitor (fan, temperature, voltage)

#### Ethernet Interface (Dual)

- 10Base-T/100Base-TX/1000Base-T
- IEEE 802.3u auto-negotiation
- Two RJ-45 connectors

#### Video Interface

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

#### EIDE Interfaces

- Two high speed IDE channels with ATA 100/66/33 mode
- Connect up to four IDE devices

#### Connections

- Max. six USB 2.0 compliant ports
- Two ports on bracket for keyboard & Mouse
- Two serial ports (RS-232x1, selectable RS-232/422/485x1) & one IrDA 1.0
- Four high driving GPIO (programmable GPI or GPO)
- Audio output, AC-97 2.2 interface

#### Power requirement

Typical

- (+5V, 4.0 A) (+12V [System] 0.02 A) (+12 V[CPU] 6.76 A)

#### Mechanicals

- Dimensions 338.5 x 122 mm

#### Operating Environment

- Operating temperature: 0 ~ 55 degree C
- Storage temperature: -20 ~ 80 degree C

