IP-4BDP22

Socket 478 PICMG Card
for Pentium® 4 Mobile Processor with LCD / VGA / LAN

Key-point:

> Socket 478 for Intel® Pentium® 4 Mobile Processor, up to 2.4GHz

> Low profile heat sink with fan

> Intel® 845D Chipsets, 400 MHz FSB

> ATI® Mobility M6-D LCD / VGA function, Support dual CRT

> Support 10/100 Base-TX Ethernet

> 4 x USB ports / 2 x COM ports

> WatchDog Timer, Hardware monitoring function & DOC

Specifications:

◎ **Processor:**
  * Intel® Socket 478 Pentium® 4 Mobile processor, Up to 2.4GHz
  * Low profile heat sink with fan

◎ **Core Logic:**
  * Intel® 845D + ICH2 chipsets

◎ **BIOS:**
  * Award BIOS

◎ **Front Side Bus Speed:**
  * 400 MHz

◎ **Memory:**
  * Two 184-pins DIMM support 2GB DDR DRAM (max.)

◎ **Onboard LCD / VGA Controller:**
  * ATI® Mobility M6-D chip, on-die 16MB memory
  * Support LVDS LCD panel & Dual CRT display

◎ **LAN Controller:**
  * Intel® 82562ET, for 10 / 100 Base-TX, Support wake up on LAN

◎ **Onboard IDE:**
  * Two EIDE channels for PIO Mode, DMA Mode
  * Supports four ATA 100/66/33 IDE devices

◎ **Multi I/O:**
  Onboard Winbond® W83627HF chip, Support:
  * 1 x IrDA by 5-pin pin-header
  * 1 x Floppy Interface
  * 1 x SPP / EPP / ECP parallel port by pin-header
  * COM1 is RS-232
  * COM2: RS-232 or RS-422/485 (jumper selectable)

◎ **WatchDog Timer:**
  * 256 Levels software programmable

◎ **Keyboard / Mouse Connector:**
  * 6-pins mini DIN for PS/2 type Keyboard & Mouse
  * 1 x 5-pin header connector for external Keyboard

◎ **USB:**
  * Onboard 4 x USB ports by pin-headers

◎ **SSD:**
  * DIP socket supports M-System DiskOnChip® flash disks

◎ **Hardware Monitoring:**
  * Winbond® W83627HF chip, Monitoring for CPU and system temperature, voltage and fan speed

◎ **Environments:**
  * Operation temperature: 0°C to 60°C (32° F to 140° F)
  * Storage temperature: -20°C to 80°C (-68° F to 176° F)
  * Relative humidity: 10% to 90% (Non-Condensing)

◎ **Certification:**
  * CE, FCC Approval

◎ **Form Factor:**
  * Full Size, PICMG compliance

◎ **Audio**
  * No support

◎ **PC-104 connector:**
  * No support

◎ **Others features**
  * ITE® 8888 PCI to ISA bridge

◎ **Dimensions (L x W):**
  * 13.3" x 4.8" (338mm x 122mm)

*Specification is subject to change without prior notice

Ordering Information:

Model No.	Position	Support LCD	Support VGA	Support SCSI	Support LAN	Support Audio
IP-4BDP22	Standard Product	Yes	Yes	---	Yes	---

I/O Bracket Layout