

# IP-4GVP23

## Socket 478 PICMG Card for Pentium® 4 / Celeron™ Processor with VGA / LAN / Audio (Optional)

### Key-point:

- > Socket 478 for Intel® Pentium® 4 / Celeron™ processor, up to 3.06GHz
- > Intel® 845GV chipsets, 400 / 533 MHz FSB
- > Chipset integrated VGA function
- > Support 10 / 100 Base-TX Ethernet
- > Optional IP-ALCS20 audio card
- > 4 x USB2.0 ports, 2 x COM ports
- > WatchDog timer & Hardware monitoring function



### Preliminary Specifications:

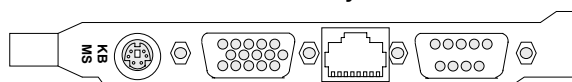
- ⊙ **Processor:**
  - \* Support socket 478 Intel® Pentium® 4 / Celeron™ processor
  - \* Up to 3.06GHz
- ⊙ **Core Logic:**
  - \* Intel® 845GV + ICH4 chipsets
- ⊙ **BIOS:**
  - \* Award BIOS
- ⊙ **Front Side Bus Speed:**
  - \* 400 / 533 MHz
- ⊙ **Memory:**
  - \* Two 184-pins DIMM, support 2GB DDR266 / 333 DRAM (max.)
- ⊙ **Onboard VGA Controller:**
  - \* Intel® 845GV chipset integrated VGA function
- ⊙ **LAN Controller:**
  - \* Intel® 82562ET LAN controller, for 10 / 100 Base-TX Ethernet
- ⊙ **Onboard IDE:**
  - \* Two EIDE channels for PIO mode, DMA mode
  - \* Support four ATA-100 / 66 / 33 IDE devices
- ⊙ **Multi I/O:**
  - Onboard Winbond® 83627HF chip, support:
    - \* 1 x IrDA by 5-pins pin-header
    - \* 1 x Floppy port by pin-header
    - \* 1 x SPP / EPP / ECP parallel port by pin-header
    - \* COM1 for RS-232
    - \* COM2 for RS-232 or RS-422 / 485 (jumper selectable)
- ⊙ **Keyboard / Mouse Connector:**
  - \* 6-pins mini DIN for PS/2 type for keyboard / mouse
  - \* 1 x 6-pins header connector for external keyboard / mouse
- ⊙ **Audio:**
  - \* AC97 Audio pin-header (audio card with bracket by optional)
- ⊙ **USB:**
  - \* Onboard 4 x USB2.0 ports by pin-header (cable by optional)
- ⊙ **WatchDog Timer:**
  - \* 256 Levels software programmable
- ⊙ **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 pre-scan approval
- ⊙ **Others features:**
  - \* ITE® 8888 PCI to ISA bridge
- ⊙ **Form Factor:**
  - \* Full Size, PICMG compliance
- ⊙ **Dimensions (L x W):**
  - \* 13.3" x 4.8" (338mm x 122mm)

\*Specification is subject to change without prior notice

### Ordering Information:

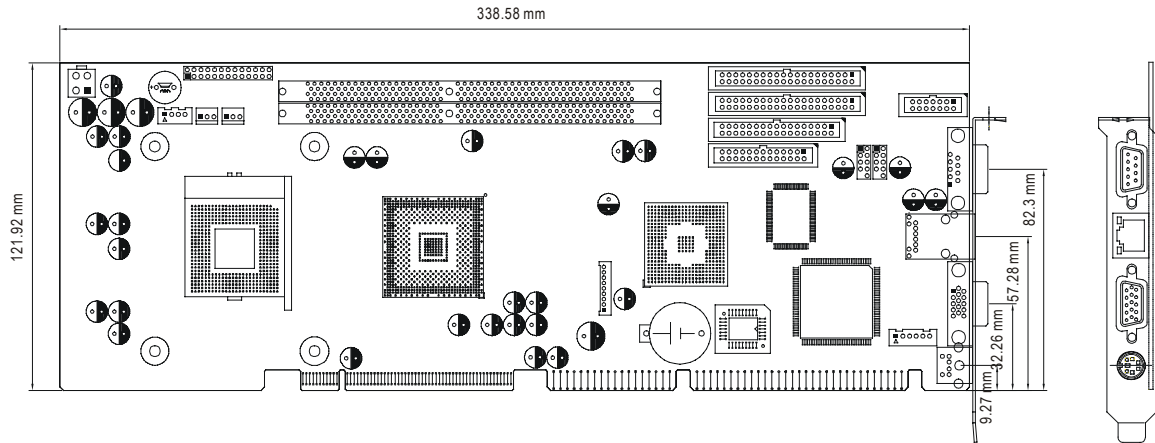
Model No.	Position	Support LCD	Support VGA	Support SCSI	Support LAN	Support Audio
IP-4GVP23	Standard Product	---	Yes	---	Yes	Optional IP-ALCS20

### I/O Bracket Layout



# IP-4GVP23

**Mechanical Drawing:**



**Block Diagram:**

