

# IP-4GVI32

## Socket 478 Micro ATX Board for Pentium® 4 / Celeron™ Processor with VGA / Dual Gigabit 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 dual 10 / 100 / 1000 Base-TX Ethernet
- > Optional IP-ALCS20 audio card, 4 x USB2.0 ports, 2 x COM ports
- > 3 x PCI slots (one for PCI riser card)
- > WatchDog timer & Hardware monitoring function



### Specifications:

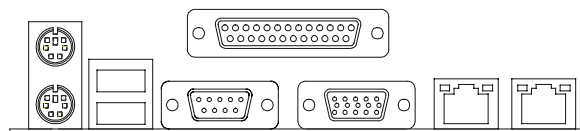
- ⊙ **Processor:**
  - \* Support socket 478 Intel® Pentium® 4 / Celeron™ processor
  - \* Up to 3.06GHz
- ⊙ **Core Logic:**
  - \* Intel® 845GV + ICH4 chipsets
- ⊙ **BIOS:**
  - \* Award BIOS
- ⊙ **Front Side Bus Speed:**
  - \* 400 / 533 MHz
- ⊙ **Memory:**
  - \* Two 184-pins DIMM, support 2GB DDR266 / 333 SDRAM (max.)
- ⊙ **Onboard VGA Controller:**
  - \* Intel® 845GV chipset integrated VGA function
  - \* 15-pins D-Sub VGA connector
- ⊙ **Dual Gigabit LAN Controller:**
  - \* Dual Intel® 82540EM Gigabit LAN, for 10 / 100 / 1000 Base-TX
- ⊙ **Onboard IDE:**
  - \* Two EIDE channels for PIO mode, DMA mode
  - \* Support four ATA-100 / 66 / 33 IDE devices
- ⊙ **Multi I/O:**
  - Onboard Winbond® W83627HF chip, Support:
    - \* 1 x IrDA by 5-pins pin-header
    - \* 1 x Floppy port by pin-header
    - \* 1 x SPP / EPP / ECP parallel port
    - \* 2 x COM ports for RS-232
- ⊙ **Keyboard / Mouse Connector:**
  - \* Staked connector for PS/2 type keyboard / mouse
- ⊙ **Audio:**
  - \* AC97 Audio pin-header (audio card with bracket by optional)
- ⊙ **USB:**
  - \* Support 4 x USB2.0 ports, two USB ports on rear panel
  - \* 2 x USB ports by pin-header, optional USB cable with bracket
- ⊙ **WatchDog Timer:**
  - \* 256 Levels software programmable
- ⊙ **Hardware Monitoring:**
  - \* Winbond® W83627HF chip, monitoring for CPU and system temperature, voltage and fan speed
- ⊙ **Extension slot:**
  - \* 3 PCI slots (one for PCI riser card)
- ⊙ **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
- ⊙ **Form Factor:**
  - \* Micro ATX form factor 9.6" x 9.6" (244mm x 244mm)

\*Specification is subject to change without prior notice

### Ordering Information:

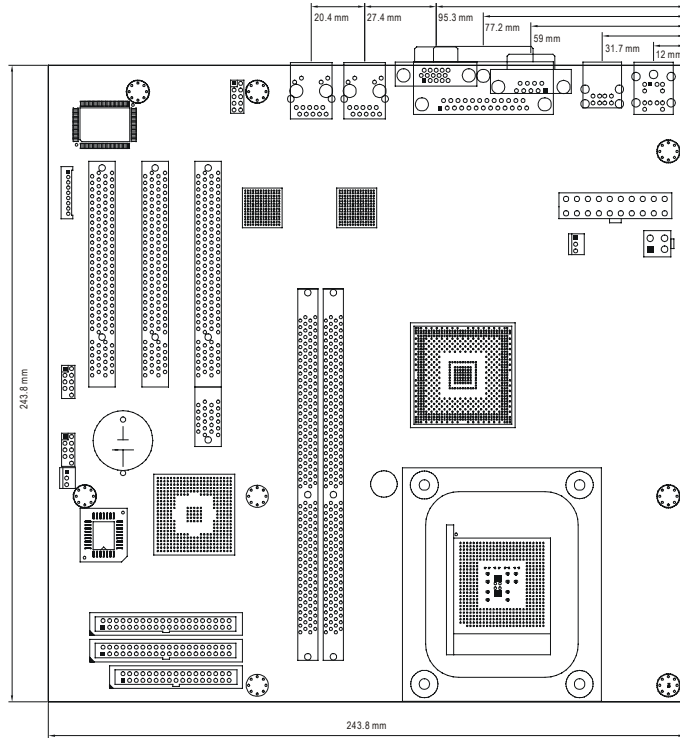
Model No.	Position	Support LCD	Support VGA	Support Gigabit LAN	Support Audio	Support AGP/PCI /ISA
IP-4GVI32	Standard Product	---	Yes	Yes (Dual LAN)	Optional IP-ALCS20	0 / 3 / 0

### I/O Shield Layout



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## Mechanical Drawing:



## Block Diagram:

