

IP-4GVI20

Socket 478 ATX Board for Pentium® 4 / Celeron™ Processor with VGA / Gigabit LAN

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 / 1000 Base-TX Ethernet
- > 6 x USB2.0 ports, 2 x COM ports
- > 1 x AGP slot for ADD card / 4 x PCI / 3 x ISA slots
- > WatchDog timer & Hardware monitoring function



Specifications:

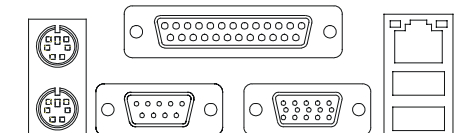
- ⊙ **Processor:**
 - * Support socket 478 Intel® Pentium® 4 / Celeron™ processor
 - * Up to 3.06GHz
- ⊙ **Core Logic:**
 - * Intel® 845GV + ICH4 chipsets
- ⊙ **BIOS:**
 - * Award BIOS
- ⊙ **Front Side Bus Speed:**
 - * 400 / 533 MHz
- ⊙ **Memory:**
 - * Two 184-pins DIMM, support 2GB DDR266 / 333 SDRAM (max.)
- ⊙ **Onboard VGA Controller:**
 - * Intel® 845GV chipset integrated VGA function
 - * 15-pins D-Sub VGA connector
- ⊙ **LAN Controller:**
 - * Intel® 82540EM Gigabit LAN, for 10 / 100 / 1000 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® 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:**
 - * No support
- ⊙ **USB:**
 - * Support 6 x USB2.0 ports, two USB ports on rear panel
 - * 4 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:**
 - * 1 x AGP4X slot for ADD card only
 - * 4 x PCI slots
 - * 3 x ISA slots
- ⊙ **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:**
 - * ATX form factor 12" x 8.7" (305mm x 220mm)

*Specification is subject to change without prior notice

Ordering Information:

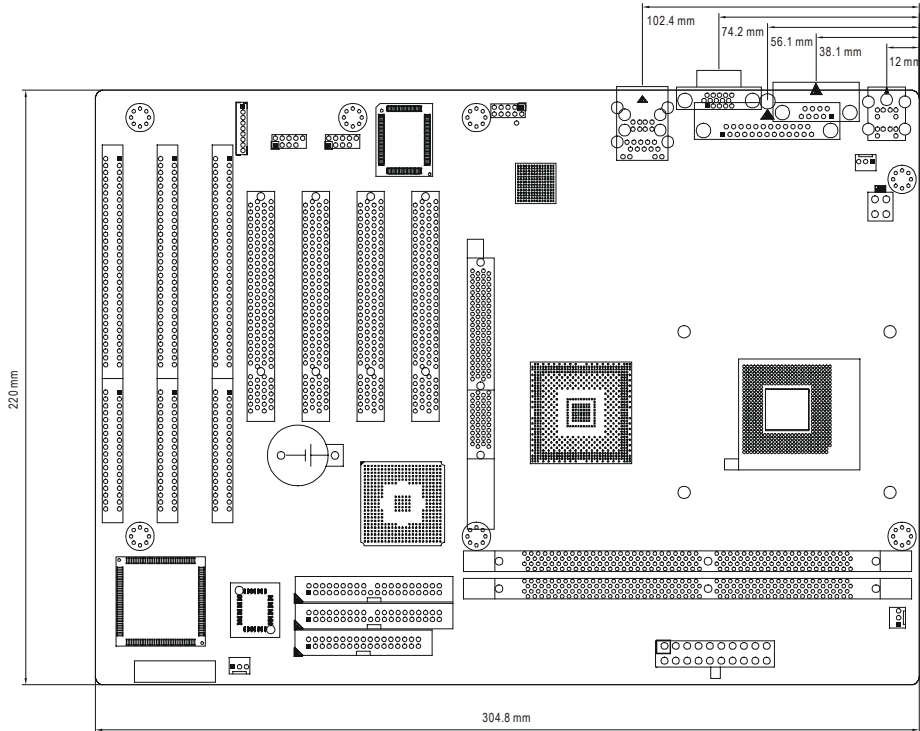
Model No.	Position	Support LCD	Support VGA	Support LAN	Support Audio	Support AGP/PCI /ISA
IP-4GVI20	Standard Product	---	Yes	Yes (Gigabit)	---	1(for ADD Card) / 4 / 3
IP-4GVI83	Standard Product	---	Yes	Yes (10/100)	---	1(for ADD Card) / 4 / 3

I/O Shield Layout



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Mechanical Drawing:



Block Diagram:

