PCB Code: 92005

IP-4GVI63

Socket 478 ATX Board
for Pentium® 4 / P4-M / Celeron™ Processor with VGA / LAN / Audio

Key-point:

> Socket 478 for Intel® Pentium® 4 / Celeron™ processor, up to 3.06GHz

or socket 478 for Intel® Pentium® 4 Mobile processor, up to 2.4GHz

> Intel® 845GV chipsets, 400 / 533 MHz FSB, chipset integrated VGA function

> Support 10 / 100 Base-TX Ethernet

> AC97 Audio Codec, 6 x USB2.0 ports, 2 x COM ports

> 1 x AGP slot for ADD card / 6 x PCI Slots

> WatchDog timer & Hardware monitoring function



Specifications:

◎ **Processor:**
- ∗ Support socket 478 Intel® Pentium® 4 / Celeron™ processor
- ∗ Up to 3.06GHz
- ∗ Support socket 478 Intel® Pentium® 4 Mobile processor
- ∗ Up to 2.4GHz

◎ **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® 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® W83627HF chip, support:
- ∗ 1 x IrDA by 5-pins pin-header
- ∗ 1 x Floppy port by pin-header, and one 26-pins foil cable connector for slim Floppy disk drive
- ∗ 1 x SPP / EPP / ECP parallel port
- ∗ COM1 / 2 for RS-232
- ∗ COM3 / 4 for RS-232 or RS-422 / 485 (jumper selectable)

◎ **Keyboard / Mouse Connector:**
- ∗ Staked connector for PS/2 type keyboard / mouse
- ∗ 1 x 6-pins connector for external keyboard / mouse

◎ **Audio:**
- ∗ AC97 Audio Codec

◎ **USB:**
- ∗ Support 6 x USB2.0 ports, four 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:**
- ∗ 1 x AGP4X slot for ADD card only
- ∗ 6 x PCI 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**
- ∗ 4 x fan connectors

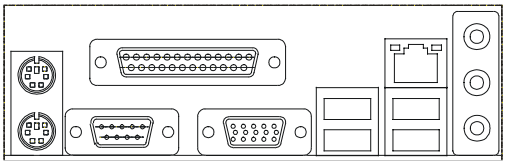
◎ **Form Factor:**
- ∗ ATX form factor 12" x 8.7" (305mm x 220mm)

*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-4GVI63	Standard Product	---	Yes	Yes	Yes	1(for ADD Card) / 6 / 0

I/O Shield Layout

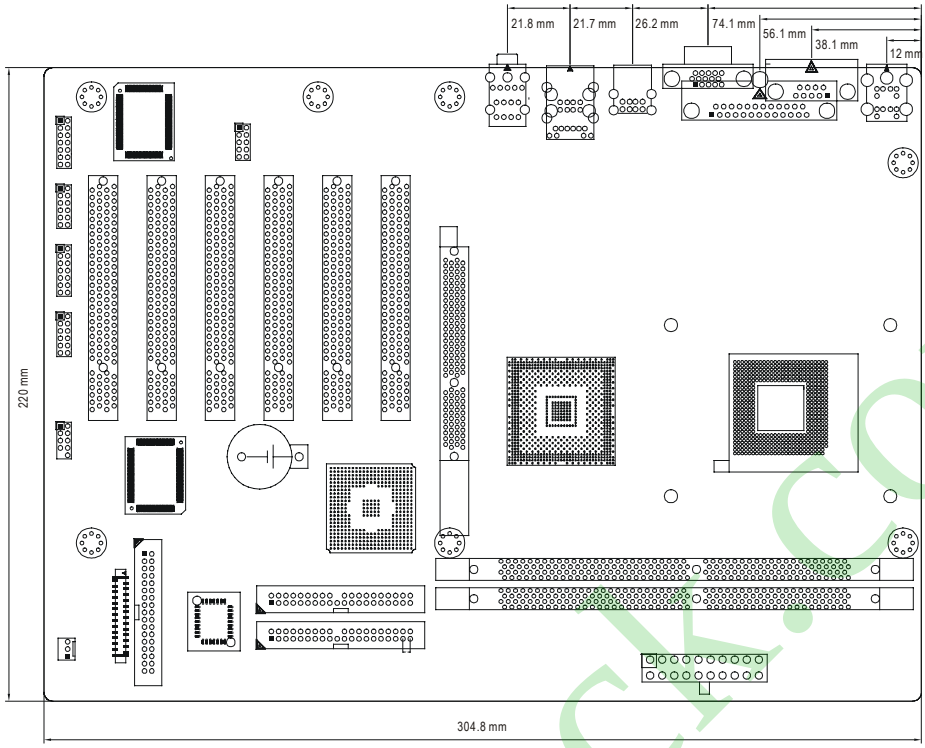


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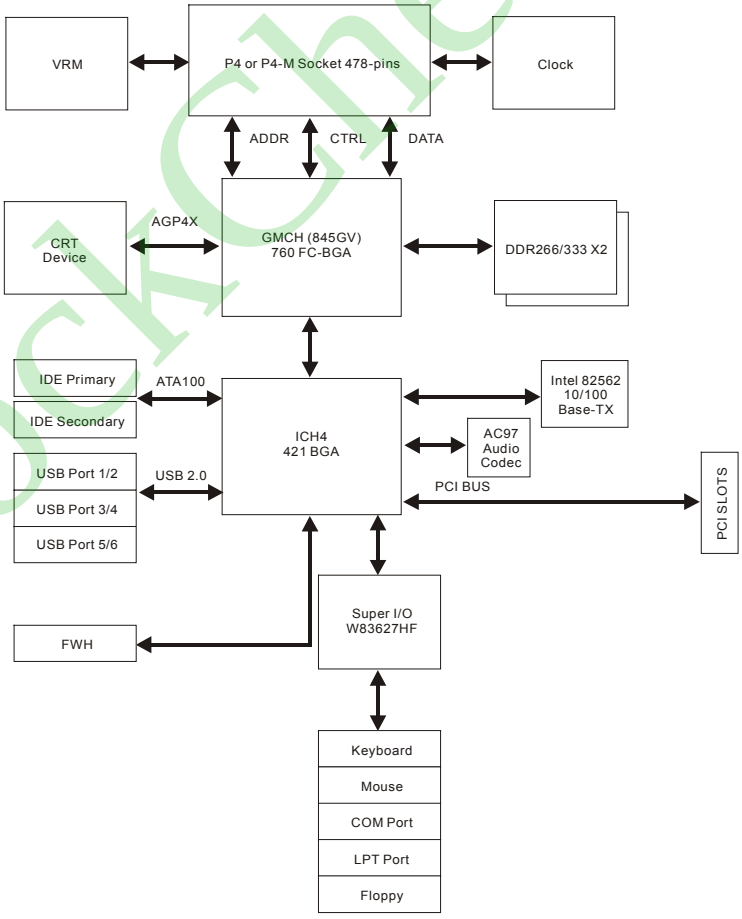
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IP-4GVI63

Mechanical Drawing:



Block Diagram:



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