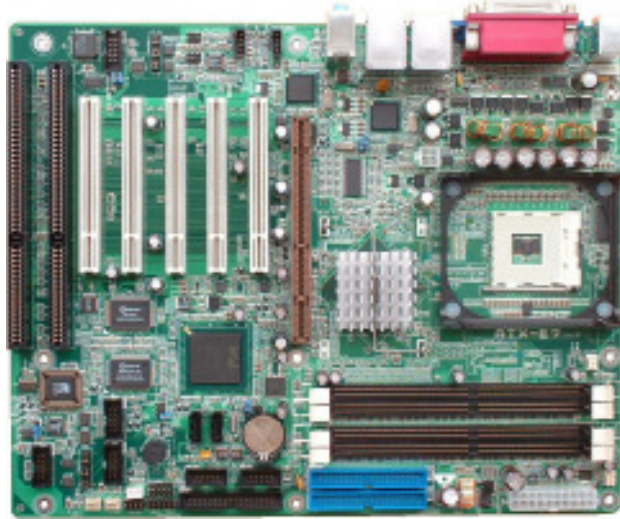


# Transduction

## TR-ATX-865G

### TR-ATX-865G Pentium 4 Industrial Motherboard



#### Features

- ▶ Industrial ATX motherboard for Socket 478 FSB 400/533/800MHz Pentium 4/ Celeron
- ▶ Intel 865G integrated SVGA supports excellent 2D/3D performance and up to 2048 x 1526 @ 75Hz resolution
- ▶ Dual Gigabits LAN with Load-Balancing and Fault-Tolerance
- ▶ Dual SATA ports support RAID 0 and 1 modes
- ▶ AC97 Audio Codec supports 5.1 Channels 3D Surrounding audio
- ▶ Long term availability until year 2017
- ▶ Last Intel chipset for Windows NT and support of ISA legacy cards
- ▶ MTBF>100,000 hours
- ▶ 1 year warranty. 3 year warranty when supplied as part of complete computer system
- ▶ Fully compatible with all Windows, Linux and QNX

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#### Specifications

##### CPU

- ▶ Intel Pentium 4 CPU up to 3.4 GHz. Support Prescott (90nm) and Northwood (0.13um) CPUS
- ▶ 478 pin FC-PGA2 Socket

##### System BIOS

- ▶ Award ACPI BIOS 4M-bit Flash ROM with Flash EEPROM update utility

##### Main Memory

- ▶ Four 184-pin DIMM sockets for DDR266/333/400 SDRAM up to 4 GB. Supports Dual channel mode

##### Chipset

- ▶ Intel 865G, 82801ER(ICH5R) 400/533/800 FSB

##### Dual Gigabit LAN

- ▶ Intel 82547GI, 82541GI LAN controllers, Dual Gigabit LAN for fault-tolerance and Load-Balancing networking

##### VGA, Audio

- ▶ 865G Integrated Intel Extreme Graphic Engine with 266MHz Core Frequency
- ▶ 3D AC97 Audio CODEC with Line-OUT, Line-In, Microphone, CD-IN, Aux-ZN

##### SATA RAID 0, 1

- ▶ Two SATA ports, runs up to 150MB/s.- Supports RAID 0 and RAID1 modes

##### PCI/ISA/AGP Expansion slots

- ▶ Five 32-bit 5V PCI slots
- ▶ Two 16-bit ISA slots
- ▶ One AGP Pro 8X/4X slot

#### On Board I/O

- ▶ Two IDE channels with PIO mode 4, Ultra DMA33/66/100 and Bus Mastering
- ▶ 8 USB 2.0 ports
- ▶ One FDD port
- ▶ Four serial ports, COM2, COM4 RS-232/422/485 selectable
- ▶ One SPP/ EPP/ECP bi-directional parallel port
- ▶ IrDA Interface Pin-header connector for the optional IrDA external connector

#### Digital Input and Output

- ▶ 8-bits Digital I/O
- ▶ Software programmable to configure as 4-IN/4-OUT OR 8-IN or 8-OUT

#### Watchlog Timer

- ▶ Programmable watchdog timer from 8~90 seconds

#### System Monitoring

- ▶ PC Health Monitoring ASIC on-board to monitor system power, FAN speed as well as processor and system temperatures

#### Board Dimensions

- ▶ 12.0" (L) x 9.6" (W)
- ▶ Standard ATX form factor

#### Humidity

- ▶ 5% ~ 95%

#### Operating Temperature

- ▶ 0 to 60 °C operating
- ▶ -40 to 70 °C storage

#### Ordering Information

- ▶ **TR-ATX-865G:** Industrial MB with SVGA, SATA, Dual-LAN, with AGP Pro 8X/4X Slot