

Full-size Pentium 4 SBC with Dual-LAN, VGA, DDR support

Features

- Intel Pentium 4(Northwood) processor
- Easy upgrading allows you to take full advantage of Intel's development of even-higher speed all Pentium 4 processor
- FSB up to 533/ 400MHz
- Dual UltraATA/ 100 bus master IDE channels
Intel 845G GMCH build-in VGA controller with 256-bits 3D/ 2D engine
- Dual Intel PRO/100 +Fast Ethernet Interface
- Onboard CompactFlash Type-II socket
- Watchdog Timer



Specification

CPU

- Intel Pentium® 4 (Northwood) processor with 512KB L2 cache process utilizes FC-PGA2 Package technology.
- Available at 2GHz and 2.2GHz or higher becoming available

Chipset

- Intel® 845G and ICH4

Bus Interface

- Front Side Bus up to 400/ 533 MHz

Memory

- Two rows of 184-pin DIMM sockets PC1600/2100 DDR SDRAM
- Up to 2 GB

Data Path

- Data Path 32-bit on CPU
- 32-bit on PCI bus, 16-bit on ISA bus

I/O

- I/O: Intel 82801 DB ICH4 and W83627HF
- USB Port: Four USB2.0 up to 480Mbps
- Serial Ports: Two RS-232 serial ports
- Parallel Port: One bi-direction parallel port, SPP/EPP/ECP
- Floppy Disk: One FDD port supports up to two floppy drivers
- EIDE: Dual Ultra ATA/ 100 bus master IDE channels up to 4 ATAPI devices, IDE2 supports +5V Vcc for additional DiskOnModule (DOM) flash disk
- IrDA: One IrDA compliant Infrared interface
- K/ B & Mouse: PS/ 2 keyboard and mouse

Audio Interface

- Intel ICH4 chipset with onboard AC97 3D audio codec, include Line-in, line-out, Mic-in, and CD-in functions

VGA Display

- VGA function support
- Auto detect dynamic video memory up to 64MB

Ethernet

- Intel ICH4 and 82562ET, 2nd LAN with Intel 82559ER

Real Time Clock

- Intel ICH4 built-In RTC

BIOS

- Phoenix-Award 2MB PnP flash BIOS

Watchdog Timer

- Generates NMI or system reset with 1 to 255 sec./ min. of time out value

OS Compatibility

- PC and MS-DOS.; Windows® 95; Windows® 98 series; Windows® 2000; Windows® Me; Windows® NT 4.0 and Windows XP
Linux Series

Power Requirements

- Supply Voltage: Standard ATX Power

Environmental

- Operating temperature: 0 to 60°C
- Humidity: 5 % to 95 %
- Storage Temperature: -20~+85 °C

Mechanical

- 13.3"x 4.8" Full-size SBC

Reliability

- Mouse / keyboard voltage protected by self-resetting fuses
- 6 hours 45 °C dynamic burn-in

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