

**SBC PCI / ISA
with VGA, Dual LAN, Audio
for Pentium 4**

Order No.: 96M4091o



Technical Specifications

CPU

Intel Pentium 4 up to 3.06 GHz, Socket 478, Hyper-Threading

Memory

2 DDR sockets for 32 - 1024 MB modules maximum memory 2 GB

Chipset

Intel 845GV Chipset, 400/533 MHz system bus

BIOS

Award System BIOS in Flash ROM with VGA BIOS

Clock/Calendar

Realtime clock and calendar with battery backup

Bus Support

PICMG (16 bit ISA / 32 bit PCI), internal PCI for LAN, IDE, AGP for VGA

VGA

Intel 82845G (GMCH) AGP VGA with 64 MB shared memory

LAN Controller

Dual Intel ethernet controller, 1 x Intel 82562ET, 1 x Intel 82559ER Chip, 10/100 Base T/TX support, full duplex, 2 x RJ45 port

Audio

internal Intel ICH4 3D Audio Controller, AC'97 Codec

IDE Controller

Supports 4 enhanced IDE drives, PIO Mode 4, Ultra DMA/33/66/100

FDD Controller

Supports 2 drives for 360 KB / 720 KB / 1.44 MB / 1.2 MB / 2.88 MB / LS-120

DiskOnChip Socket

From 2 to 288 MB single-chip

Serial Port

Two serial ports (RS232, 16C550 FIFO compatible)

Parallel Port

One Centronics compatible parallel port (SPP, ECP/EPP bidirectional)

Watch-Dog Timer

1 to 255-second/minute timeout interval

USB Port (4x)

USB 2.0

IrDA Port

Keyboard / Mouse Connector

5-pin internal connector, 6-pin external Mini-DIN connector (PS/2) for keyboard and mouse per Y-Cabel

ISA 64

Maximize ISA signals to support ISA cards up to 5

Standards

PICMG 2.0 (PCI / ISA), PCI 2.0

Power Management

Software controlled by BIOS

Power Supply

+5V / 3.1A (P4 2.53GHz/256MB DDR)

+12V / 5.1A (P4 2.53GHz/256MB DDR)

-12V / 100mA (P4 2.53GHz/256MB DDR)

Dimensions

Card full-length, 338 x 122 mm

Environment

Storage Temperatures: -20° ~ 80°C

Operating Temperatures: 0° ~ 55°C

(cooler fan required for CPU)

Relative Humidity: 10% ~ 90%, non-condensing



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Layout for 96M40910

