

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

**Order No.: 96M4011o**



**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**

- internal Intel 82562 Ethernet controller
- 10/100 Base T/TX support, full duplex, 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

**DiskOnChip Socket**

- From 2 to 288 MB single-chip

**Serial Port**

- Two serial ports (RS232, 16C550 FIFO compatible)
- COM2 port selectable as RS-232, RS-422, RS-485

**Parallel Port**

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

**Watch-Dog Timer**

- 0.5 to 254.5-second/minute timeout interval

**USB Port (3x)**

- 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 2.1

**Power Management**

- Software controlled by BIOS

**System control**

- Voltage control
- cooler turn around
- temperature sensor

**Power Supply**

- +5V / 2.8A (max.) (at Pentium® 4 with 2.4 GHz)
- +12V / 4A (max.) (at Pentium® 4 with 2.4 GHz)

**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 96M40110

