



SBC PCI / ISA for Intel® Core™ 2 Duo Mobile

BlueBoard®



TECHNICAL SPECIFICATIONS

SBC

CPU

- Intel® Core™ 2 Duo Mobile
- Intel® Core™ Duo/Solo Mobile
- Intel® Celeron® M (440/530)
- 667/533 MHz front side bus, socket 479Y

Memory

- 2 DIMM slots for 512 - 2048 MB modules
- DDR2 667/533/400, up to 4 GB (max. 3 GB for OS)

Chipset

- Intel® 945GME and ICH7M-DH chipset

BIOS

- Award System BIOS in Flash-ROM with VGA BIOS

Clock/Calendar

- Realtime clock and calendar with battery backup

Bus interface

- PICMG (16 bit ISA / 32 bit PCI)
- internal PCI Express x1 for LAN, PCI Express x16 for VGA

VGA

- Intel® Graphic Media Accelerator 950 VGA, Resolution up to 2048 x 1536 bei 75 Hz, Intel® Dynamic Video Memory Technology
- internal LVDS, DVI and TV-Out ports

LAN controller

- Dual Intel® 82573L GigaBit LAN, PCIe
- 10/100/1000 base-T/TX support
- full Duplex, 2 x RJ45 Port

Audio

- Realtek ALC655, AC'97

Serial ATA interface

- for 2 SATA 150 drives, RAID 0, 1

IDE interface

- for 2 enhanced IDE-drives
- up to PIO-Mode 4, Ultra DMA/33/66/100

Mini-PCI

- 1 x Mini-PCI slot, Typ IIIA

Compact Flash

- internal Compact Flash socket, Typ II

IrDA port

GPIO

- 8 x GPIO (programmable GPI or GPO)

USB port (8x)

- USB 2.0

Serial ports

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

Parallel ports

- one Centronics compatible parallel port
- SPP, ECP/EPP bidirectional

Watch-Dog Timer

- 1 to 255-second or minutes timeout interval

Keyboard / Mouse:

- 5-pin int. connector
- 6-pin ext. Mini-DIN connector (PS/2) for keyboard and mouse per Y-Cabel

System Control

- Voltage control
- cooler turn around
- temperature sensor

Standards

- PICMG 1.0, PCI 2.0

Power Management

- Software controlled by BIOS

Dimensions

- Card full-length, 338 x 123.5 mm

Temperature range

- Storage: -20° ~ 85°C
- Operating: 0° ~ 60°C (cooler fan required for CPU)
- Relative humidity: 10% ~ 90%, non-condensing

2 years Warranty, CE compliant

ORDER NUMBERS

96M4281o

- SBC (without processor)

96M4285

- incl. Intel® Core™ 2 Duo T7400 2.16 GHz / 667 MHz FSB