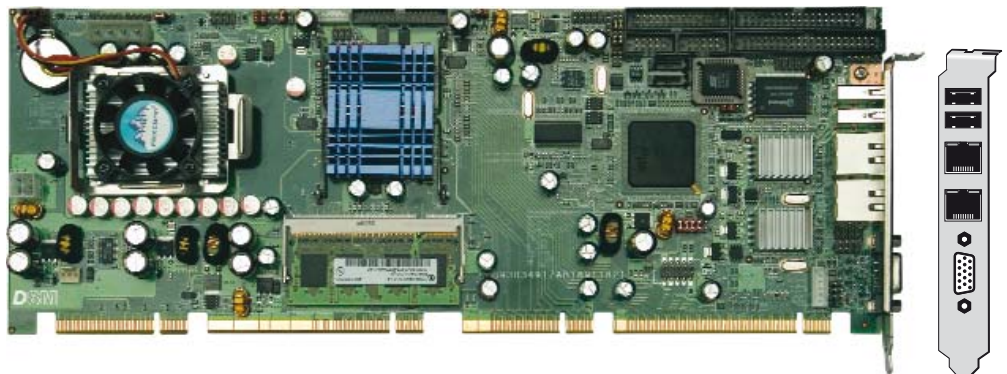


SBC PCI Express with VGA, GigaBit LAN for Intel® Pentium® M

96M4311o-2



Technical Specifications

CPU

- Intel® Pentium® M / Intel® Celeron® M up to 2.0 GHz
- 400/533 MHz Front Side Bus, socket 479

Memory

- 2 SO-DIMM slots for 256 - 1024 MB modules
- DDR2 533/400
- max. memory up to 2 GB

Chipset

- Intel® 915GME and ICH6 chipset

BIOS

- Award System BIOS in Flash-ROM with VGA BIOS

Clock/Calendar

- Realtime clock and calendar with battery backup

Bus Interface

- PICMG 1.3
- 1 x PCI Express x16, 4 x PCI Express x1

Graphic

- int. Intel® 915GME GMA 900
- Dynamic share system memory up to 224 MB (Intel® DVMT) or statically up to 128 MB
- Resolution up to 2048 x 1536 @ 85Hz
- supports dual View via CRT and LVDS

LAN Controller

- Dual Marvell Yukon 88E8053 GigaBit Ethernet Controller, PCIe
- supports 10 Base T / 100 Base TX / 1000 Base T
- full duplex, 2 x RJ45 port

optional Audio

- AC'97 Codec 2.3

IDE Interface

- supports 2 enhanced IDE drives
- PIO-Mode 4, ultra DMA/33/66/100

Serial ATA Interface

- for 2 SATA 150 drives

GPIO

- 8 x GPIO (programmable GPI or GPO)

FDD Controller

- supports 2 drives for 360 KB / 720 KB / 1.44 MB / 1.2 MB / 2.88 MB

IrDA port

Compact Flash

- int. Compact Flash socket (backside)
- primary EIDE circuit

Serial ports

- two serial ports (RS232, 16C550 FIFO compatible)

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 (4x)

- USB 2.0, optional 8 x USB 2.0

Keyboard / mouse connector

- via USB (optional via PS/2)

System control

- Voltage control
- Ccooler turn around
- Temperature sensor

Standards

- PICMG 1.3 (PCI express), SHB express, PCI 2.0

Power management

- Software controlled by BIOS

Dimensions

- Card full-length, 338 x 122 mm

Temperature range

- Storage: -20° ~ 80°C
- Operating: 0° ~ 60°C (CPU requires cooler fan)
- Relative humidity: 10% ~ 90% non-condensing

2 years Warranty, CE compliant



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Layout for 96M43110-2

