

## DSM Industrial SBC / ECT

**SBC PCI / ISA (64-bit)  
with ATI VGA,  
Dual Gigabit LAN  
for Pentium® M  
Order No.: 96M4201o**



### Technical Specifications

#### CPU

- Intel Pentium M / Celeron M up to 2.0 GHz
- Socket 479

#### Memory

- 2 DDR sockets for 32 - 1024 MB modules
- PC200/266, ECC registered supported
- maximum memory 2 GB

#### Chipset

- Intel E7501 Chipset
- 64-Bit and 66MHz PCI Interface
- 400 MHz system bus

#### BIOS

- Award System BIOS in Flash ROM with VGA BIOS

#### Clock/Calendar

- Realtime clock and calendar with battery backup

#### Bus Support

- 64 bit backplane needed
- PICMG (16 bit ISA / 64 bit PCI), 1 x Mini PCI slot
- internal PCI for LAN, IDE and VGA

#### VGA

- ATI RageXL PCI VGA with 8 MB
- max. resolution 1600x1200 @ 85 Hz

#### LAN Controller

- Dual Intel 82546 ethernet controller
- 10/100/1000 Base T/TX support, full duplex
- RJ45 port

#### 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)

#### USB Port (6x)

- USB 2.0

#### Watch-Dog Timer

- Software programmable timeout interval
- NMI or RESET

#### Keyboard / Mouse Connector

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

#### System control

- Voltage control
- Cooler turn around
- Temperature sensor

#### Standards

- PICMG 2.0 (PCI / ISA), PCI 2.0

#### Power Management

- Software controlled by BIOS

#### Dimensions

- Card full-length, 338 x 122 mm

#### Environment

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

**DSM<sup>®</sup>**  
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