

SBC PCI / ISA VGA/LCD/LAN for Dual Celeron / Pentium III



96M2731o

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Technical Specifications

- **CPU**
Dual Intel Celeron / Pentium III FCPGA up to 850 MHz
Socket 370
- **Memory**
4 DIMM sockets for 32 - 256 MB modules,
maximum memory 1024MB
- **Chipset**
Intel 82440BX Chipset, ECC support
Front Side Bus 66 and 100 MHz
- **BIOS**
Award System BIOS in Flash ROM with VGA, SCSI BIOS
- **Clock/Calendar**
Realtime clock and calendar with battery backup
- **Bus Support**
PICMG (16 bit ISA / 32 bit PCI),
internal PCI for VGA, LAN, SCSI, IDE
- **VGA**
Chips 69000 AGP VGA/LCD with 2 MB
CRT and LCD support,
max. resolution/color/refresh rate
800x600, true color, 85Hz
1024x768, 64K, 85Hz
1280x1024, 256, 60 Hz
VGA driver for Windows95 / 98 / NT4.0/5.0
- **SCSI Optional**
Adaptec 7880 Ultra-Wide-SCSI (Part No: [96M8677](#))
- **LAN Controller**
Intel 82559 single Ethernet controller,
10 Base T / 100 Base TX support, full duplex, RJ45 port
- **IDE Controller**
Supports 4 enhanced IDE drives,
PIO Mode 4, DMA Mode 2 and Ultra DMA/33, can be switched off
- **FDD Controller**
Up to 2 drives for
360 KB / 720 KB / 1.44 MB / 1.2 MB / 2.88 MB / LS-120, can be switched off
- **DiskOnChip Socket**
From 2 to 288 MB single-chip
- **Serial Port**
Two serial ports (RS232, 16C550 FIFO compatible)
can be switched off individually

- **Parallel Port**
One Centronics compatible parallel port
(SPP, ECP/EPP bidirectional), can be switched off
- **Watch-Dog Timer**
1 to 64-second timeout interval,
NMI or RESET, can be switched off
- **USB Port (2x)**
6-pin internal connector
- **Keyboard / Mouse Connector**
5-pin internal connector for keyboard
6-pin external Mini-DIN connector (PS/2)
for keyboard and mouse per Y-Cabel
- **System control**
Voltage control for the values Vcore, +5V, +12V, +3.3V
2 x cooler turn around, 2 x temperature sensor
- **Standards**
PICMG 2.0 (PCI / ISA), PCI 2.1
- **Power Management**
Software controlled by BIOS
- **ISA MAX**
Maximize ISA signals to support ISA cards up to 20
- **Power Supply**
+5V / 15A (max.)
±12V / 100mA
- **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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