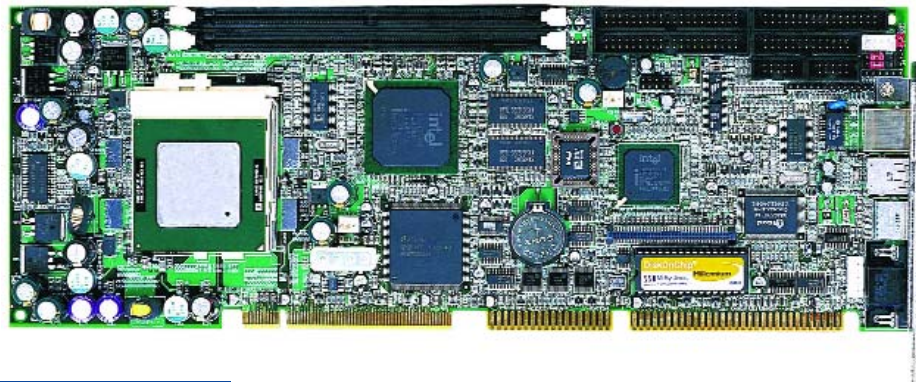


**SBC PCI / ISA**  
with VGA/LAN for Celeron / Pentium III

**Order No.: 96M2831o-2**



**Technical Specifications**

**CPU**

Intel Celeron / Pentium III FCPGA up to 1.4 GHz,  
Socket 370

**Memory**

2 DIMM sockets for 32 - 256 MB modules  
maximum memory 512 MB

**Chipset**

Intel 815E Chipset (B-step),  
ECC support, Front Side Bus 66, 100 and 133 MHz

**BIOS**

Award System BIOS in Flash ROM

**Clock/Calendar**

Realtime clock and calendar with battery backup

**Bus Support**

PICMG (16 bit ISA / 32 bit PCI),  
internal PCI for VGA, LAN, IDE

**VGA**

Intel DVMT 3D VGA with 4 MB  
max. resolution 1600x1200, 256 Farben, 85Hz

**LAN Controller**

Intel 82801BA single Ethernet controller,  
10/100 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 / LS-120

**DiskOnChip Socket**

From 2 to 288 MB single-chip

**Serial Port**

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 timeout interval

**USB Port (3x)**

**IR Connector**

**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

**System control**

Voltage control for the values Vcore,  
1 x cooler turn around, 1 x temperature sensor

**Standards**

PICMG 2.0 (PCI / ISA), PCI 2.1

**Power Management**

Software controlled by BIOS

**Power Supply**

+5V / 10A (max.)  
+12V / 200mA  
-12V / 30mA

**Dimensions**

Card full-length, 338 x 122 mm

**Environment**

Storage Temperatures: -20° ~ 75°C  
Operating Temperatures: 0° ~ 55°C  
(cooler fan required for CPU)  
Relative Humidity: 10% ~ 90%, non-condensing



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# Layout for 96M2831o-2

