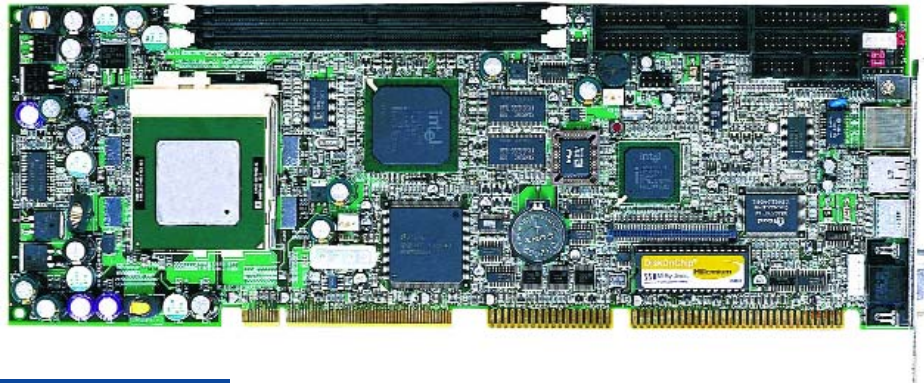


**SBC PCI / ISA**  
with VGA/LAN for Intel® Celeron® / Intel® Pentium® III

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



**Technical Specifications**

**CPU**

- Intel® Celeron® / Intel® 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

**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)**

- USB 1.1

**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 1.0 (PCI / ISA), PCI 2.0

**Power Management**

- Software controlled by BIOS

**Power Supply**

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

**Dimensions**

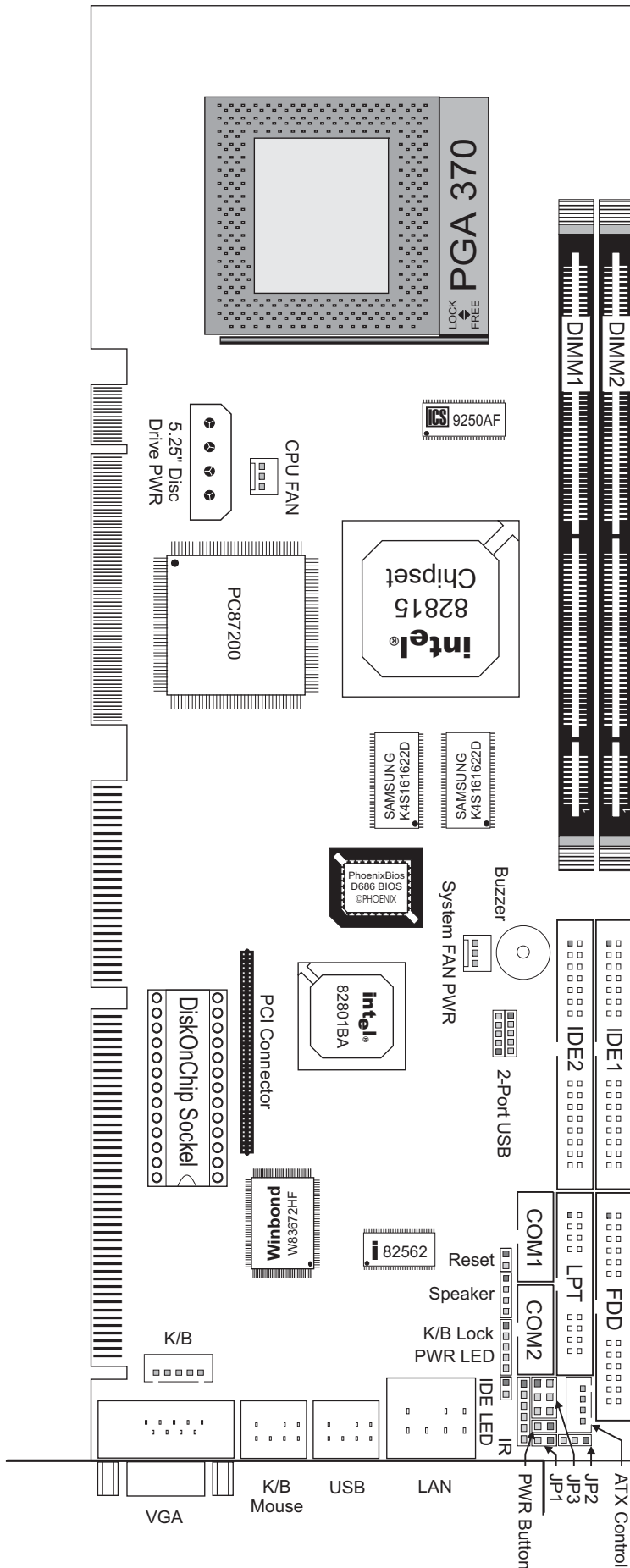
- Card full-length, 338 x 122 mm

**Environment**

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



**DSM Computer AG**  
Am Loferfeld 54  
81249 Munich, Germany  
Tel.: +49 (0)89-15798-250  
Fax: +49 (0)89-15798-196  
www.DSM.AG  
info@DSM.AG



Layout for 96M28310-2