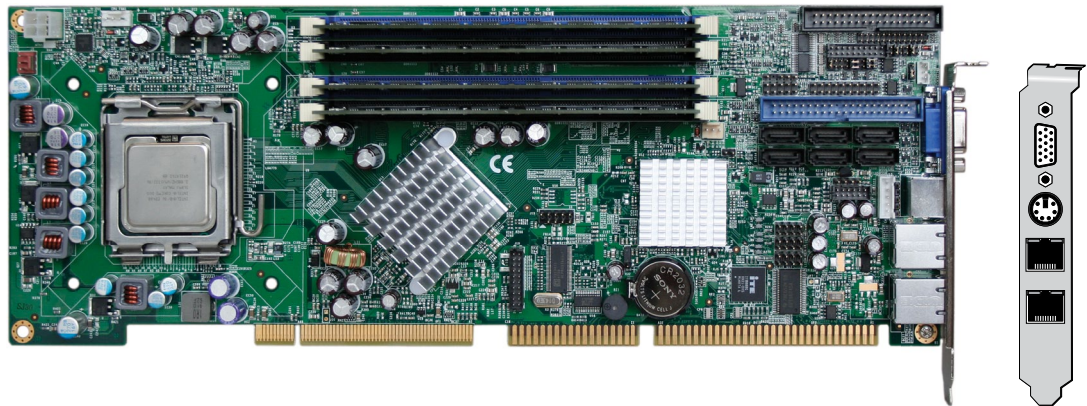




SBC PCI / ISA for Intel® Core™ 2 Quad



RAID
Ready



TECHNICAL SPECIFICATIONS

SBC

CPU

- Intel® Core™ 2 Quad, Intel® Core™ 2 Duo
- Intel® Pentium Dual Core, Intel® Celeron® Dual Core
- 800/1066/1333 MHz Front Side Bus, socket 775

RAM

- 4 DIMM sockets for 512 - 2048 MB modules
- DDR3 1066/800, up to 8 GB (max. 3 GB for 32 bit OS)

Chipset

- Intel® Q45 and ICH10D0 chipset

BIOS

- Award System BIOS in Flash-ROM with VGA BIOS

Clock/Calendar

- Realtime clock and calendar with battery backup

Bus Interface

- PICMG (16 bit ISA / 32 bit PCI)
- internal PCI Express x1 for LAN, IDE

VGA

- Intel® Graphic Media Accelerator 4500 VGA, resolution up to 2048 x 1536 bei 75 Hz, Intel® Dynamic Video Memory Technology, Direct X10 & OpenGL 2.1
- internal DVI, Chrontel CH7307C

LAN Controller

- Dual Intel® GigaBit Ethernet controller, PCIe
- 1 x Intel® 82567, 1 x Intel® 82574L
- 10/100/1000 Base-T/TX support
- full duplex, 2 x RJ45 port

Audio

- Realtek ALC888, AC'97, 5.1 CH

Serial ATA Interface

- for 6 SATA II 300 drives, RAID 0, 1, 1+0, 5

IDE Interface

- for 2 enhanced IDE drives
- up to PIO Mode 4, Ultra DMA/33/66/100

Mini-PCIe

- 1 x Mini-PCI Express slot

FDD Controller

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

USB Port (6x)

- USB 2.0

GPIO

- 8 x GPIO (4 x programmable GPI/GPO)

Serial ports

- two serial ports (RS-232, 16C550 FIFO compatible)
- COM2 selectable as RS-232, RS-422, RS-485

Parallel ports

- one Centronics compatible parallel port
- SPP, ECP/EPP bidirectional

IrDA port

Watch-Dog Timer

- 1 to 255-second or minutes timeout interval

Keyboard / Mouse connector

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

System control

- 4 x Voltage control
- 2 x Cooler turn around
- 3 x Temperature sensor

Standards

- PICMG 1.0, PCI 2.0

Power management

- Software controlled by BIOS

Dimensions

- Card full-length, 338 x 122 mm

Operating system

- Windows XP (ex SP2), Windows 7

Temperature range

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

2 years Warranty, CE compliant

ORDER NUMBERS

96M4290o

- SBC (without processor)

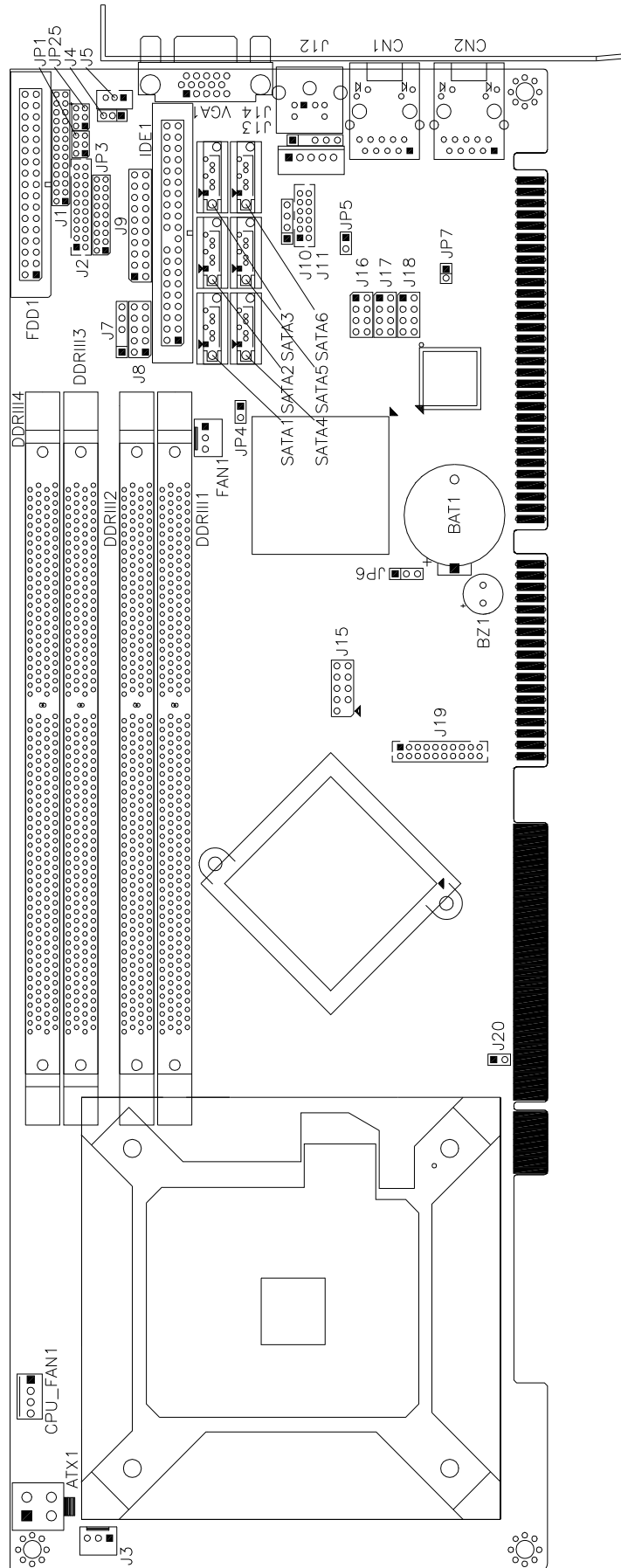
96M4295

- incl. Intel® Core™ 2 Quad Q9400 2.66 GHz / 1333 MHz FSB

DSM
Computer



Layout 96M4290o



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