

Niagara NT 944s-iHX Industrial Motherboard Features

Processor Support:

- Intel® Pentium® MMX™ Processor 166-266 MHz
- Intel® Pentium® Processor 75-200 MHz
- AMD® K6 300 MHz and higher
- Internal cache (L1) provided for all processors

Chipset:

- Intel® SB82439HX

Power System:

- Switching Voltage Regulator
- Auto-sensing 1.8V - 3.5V

Integrated PCI IDE:

- Two PCI Bus Mastering IDE Ports supporting four devices: (PIO Mode 3&4)
- CD-ROM, ZIP, LS-120 supported

Integrated SCSI:

- Adaptec® AIC 7880 Ultra Wide SCSI Controller / supporting FIFO and FAST/WIDE or Ultra SCSI-3 protocol (equivalent to 2940UW adapter card)

Integrated I/O:

- One Floppy Port (two 1.44, 2.88MB, and Mode 3 Floppy drives supported)
- Two High-Speed Serial Ports 115.2Kbaud transfer rate (RS-232C, 16550 Fast UART Compatible)
- One Bidirectional IEEE 128 Parallel Port (SPP, EPP, ECP Port)
- One 4-pin IrDA supported

Connectors:

- PC/AT DIN Keyboard
- 2 USB Ports (external connector)
- PS/2 Mouse (external connector)
- Two serial ports (one edge connector, and one external connector)
- One Parallel port (external connector)
- One Ultra Wide SCSI 68-pin connector
- One Narrow SCSI 50-pin connector

Backplane:

- PICMG® PCI backplane required, such as our PICMG® "Lynx 32" backplane

System Memory:

- 4 x 72-pin wide gold contact DRAM sockets.
- 512 Megabytes of memory capacity
- Fast Page Mode DRAM, EDO and 1 bit parity for ECC
- L2 cache at 512KB

System BIOS:

- Phoenix®, Award®, AMI®

Operating Environment:

- Operating: 0 to +55°C
- Non-operating: -10 to +70°C
- Relative Humidity: 0 - 85% non-condensing at 55°C

Size / Dimensions:

- AT form factor
- W: 5.75" (338mm) L: 13.31" (122mm)
- Weight: 23 ounces (644g)

Design Features:

- Tantalum Capacitors for extra reliability
- 10 layer / double sided
- Designed in Canada

Special Features:

- Dallas real time clock
- Watchdog timer from 0.5ms-30s
- Combined feature connector for a single case connection to backplane for speaker, keylock, reset, turbo LED, IDE LED

Expansion Interface:

- PC/104 16-bit interface socket (optional PC/104+)

Guarantee:

- 5 year limited warranty



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