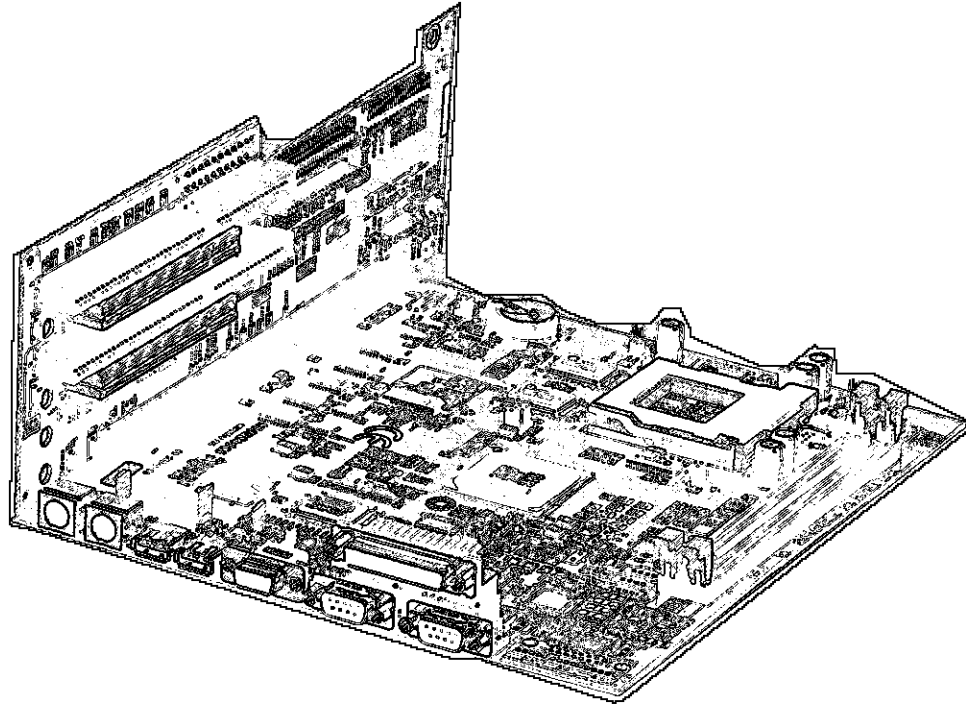


Cyclone *System Board*

PENTIUM® PROCESSOR PCI LOCAL BUS SERIES

- *Designed for NLX Form Factor*
- *Supports Intel and AMD processors*
- *64-bit graphics onboard*
- *Supports SDRAM memory*



High-Performance Pentium Desktop Solution

The Cyclone is a 32-bit Pentium® solution that provides the latest enhancements in system board technology with processor speeds up to 233MHz. Based on the SIS 5597 chipset, the Cyclone supports the latest Pentium® processor with MMX technology, as well as Ultra DMA/33 IDE hard drive protocol (up to 33MBytes/sec transfer rate) and onboard 64-bit graphics. Cyclone provides exceptional performance with support of Intel's Pentium and AMD's AMD-K5 and AMD-K6 processors. Cyclone's flexibility is augmented by its support for SDRAM (Synchronous Dynamic RAM) memory and up to 512K Pipeline Burst SRAM external cache. Designed to fit into the new NLX form factor, the Cyclone system board design comes with a Riser card linked by an edge connector with extended pin-out. Viewed from the front, the Riser card sits along the right edge of the system board. The NLX form factor provides easy installation and removal of the system board and better accessibility to upgradeable components. These advantages will enhance serviceability to reduce Total Costs of Ownership (TCO).

MICRONICS

Cyclone System Board

Specifications:

Processors:

- Intel Pentium™ 75 to 200MHz
- Intel Pentium™ with MMX 166 to 233MHz
- AMD-K5 PR75 to PR166
- AMD-K6 166 to 233MHz
- Switching Regulator
- VRM down

Expansion bus:

- Two 32-bit PCI slots
- Two 16-bit ISA slots
- One is a shared PCI/ISA slot

CPU Clock Select:

- Frequency synthesizer chip for easy CPU clock selection
- Support for 50, 60, 66 & 75MHz CPU bus speed configurations

Chipset:

- SIS 5597
- SMC FDC37C669 Enhanced Ultra I/O chip

Memory:

- Two 3.3V unbuffered 168-pin 64-bit DIMM sockets
- Maximum memory 256MB
- Supports FPM, EDO and SDRAM

External Cache:

- 512K Pipelined Burst SRAM
- 256K Pipelined Burst SRAM (Optional)

PCI (Local Bus) IDE:

- Mode 4 enhanced IDE with Bus Mastering
- Two 40-pin IDE connectors (Primary and Secondary)
- Auto detection of add-in IDE board
- Multiple sector transfer support

Floppy:

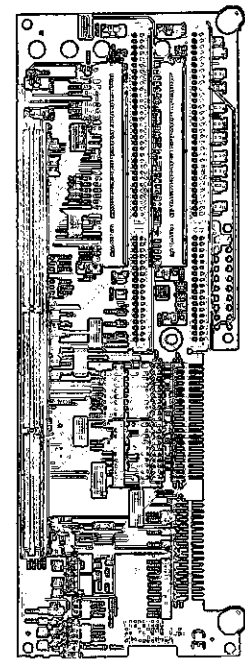
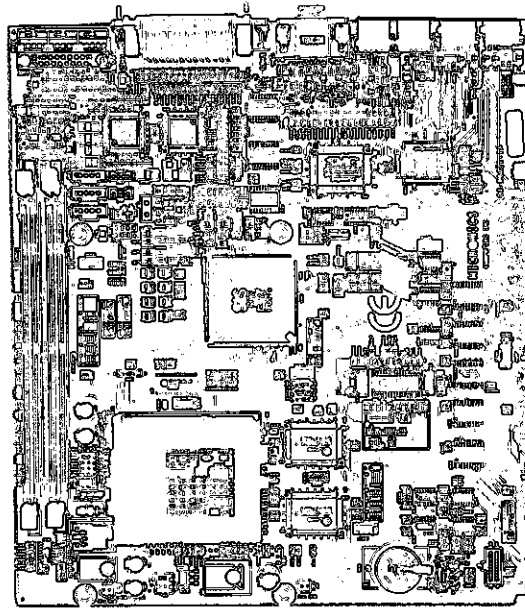
- Supports 720K, 1.2, 1.44 or 2.88MB formats
- Auto detection of add-in floppy controllers
- LS-120

Communication Ports:

- Two 9-pin 16550 compatible serial ports
- One 25-pin parallel port (ECP, EPP)
- Two USB ports

Sound (Manufacturing Option):

- Yamaha OPL3-SA2
- Sound Blaster™ compatible 16-bit Stereo
- Yamaha OPL4ML wavetable synthesis (optional)
- 4-pin CD-ROM audio header (MPC-2)
- 4-pin modem header (ATAPI)
- 4-pin Line-in header (ATAPI)
- Sound drivers (DOS, Win 95/NT, OS/2)



PENTIUM PROCESSOR PCI LOCAL BUS SERIES

Graphics:

- SIS 5597
- 0.5MB to 4MB using system memory
- Maximum resolution 1280 x 1024 x 256 color

Keyboard and Mouse:

- PS/2 style keyboard & mouse connectors

BIOS:

- Phoenix 4.06 BIOS on 2MB Flash
- PCI auto configuration
- "Plug and Play" ready
- Auto detection of memory size
- Auto detection and display of EDO, ECC, and SDRAM memory
- Auto configuration of IDE hard disk types
- Soft Power Down
- Multi-boot II
- DMI 2.0/SMI
- Wake on Ring

Form factor:

- NLX footprint (9" x 10")
- Four Layer Board

Quality Commitment:

The continuously evolving technology of the computer industry demands the highest level of quality, reliability and compatibility.

The Cyclone is extensively tested for compatibility under various operating systems, including: OS/2™ Warp, NOVELL, SCO,® UNIX,® ODT, Windows 95™ & NT,™ MS-DOS™ versions 5.0, 6.2 and PC-DOS.



MICRONICS

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