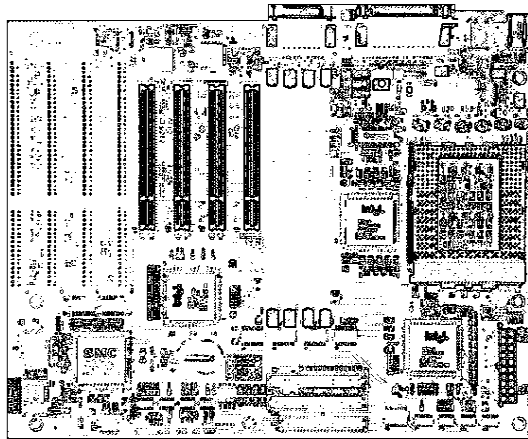


# *Invader ATX* System Board

**PENTIUM® PRO PROCESSOR PCI LOCAL BUS SERIES**

- *Designed for ATX Form Factor*
- *Features EDO Memory and USB Support*
- *Supports Pentium Pro 150 - 200MHz Processors*
- *Based on Intel 440FX PCIsset*



## *The Most Advanced Pentium Pro High-performance Workstation Solution*

The Invader ATX, based on Intel's 440FX chipset, offers Pentium Pro power in the ATX form factor at a competitive price. Invader ATX features support for both the Fast Page Mode (FPM), Error Checking and Correction (ECC), and Enhanced Data Out (EDO) memory technologies, enhanced PCI throughput and performance, and support of Universal Serial Bus (USB), a feature expected to have a profound impact on personal computers. In addition, the Invader ATX features optional integrated 16-bit sound with wavetable synthesis and LM78 Microprocessor System Hardware Monitor device. Pentium Pro Processor support ranges from 150 to 200MHz.

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# Invader ATX System Board

## Specifications:

### Processors:

- Single ZIF socket 8
- Intel Pentium™ Pro 150 - 200MHz
- Integrated YRM

### Expansion:

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

### CPU Clock Select:

- Support for 60 and 66MHz CPU bus speed configurations

### Chipset:

- Intel 440FX PCI chipset
- Intel PIIX 3
- SMC FDC37C932 Ultra I/O chip

### Memory:

- Four 3.3V unbuffered 64-bit 168-pin DIMM sockets
- Maximum memory: 1GB
- Supports FPM and EDO memory
- ECC supported via chipset

### Cache:

- 256K/512K/1MB Level 2 in CPU package

### PCI (Local Bus) IDE:

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

### Floppy:

- Supports 360K to 2.88MB formats
- Auto detection of add-in floppy controllers

### Communication Ports:

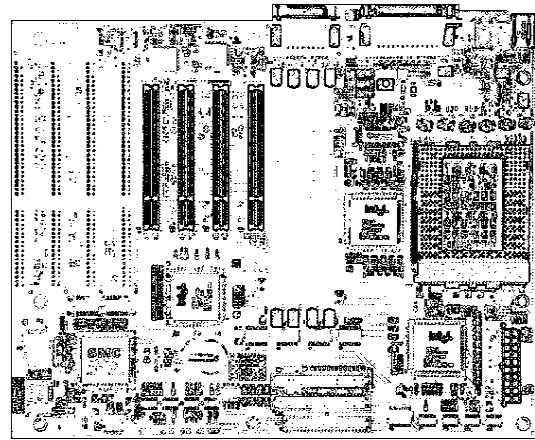
- Two 9-pin 16550 compatible serial ports
- One 25-pin parallel port (ECP, EPP)
- IrDA compliant IR header
- Two USB ports

### Keyboard and Mouse:

- PS/2 style keyboard & mouse connectors

### Sound (Manufacturing Option):

- Yamaha OPL3 and OPL4
- Sound Blaster™ compatible 16-bit Stereo
- Line-In, Line-Out, MIC, and Game/MIDI ports
- 4-pin CD-ROM audio header
- 4-pin modem audio header
- 4-pin Line-In header (ATAPI)
- Built-in Wavetable
- Sound drivers



PENTIUM PRO PROCESSOR PCI LOCAL BUS SERIES

### Hardware Management (Manufacturing option):

- Microprocessor System Hardware Monitor LM78
- DMTF-compliant DMI/SMI support

### BIOS:

- Phoenix 4.0X BIOS on 2MB Flash
- PCI auto configuration
- "Plug and Play" ready
- APM 1.2
- Auto detection of memory size
- Auto detection and display of EDO memory
- Auto configuration of IDE hard disk types
- Soft Power Down
- Multi-boot
- DMI

### Form factor:

- ATX footprint (12" x 9.6")
- Four Layer Board
- 20-pin ATX power connector
- Stacked mouse/keyboard connectors
- Stacked USB ports
- Stacked output audio/game port connectors
- Stacked serial/parallel connectors

### Quality Commitment:

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

The Invader ATX 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

### World Headquarters:

Micronics Computers, Inc.  
45365 Northport Loop West  
Fremont, CA 94538-6417  
Telephone (510) 651-2300  
Telefax (510) 651-5612  
[www.micronics.com](http://www.micronics.com)

*Micronics (Europe)*  
Unit 34 Woodlands Business Village  
Coronation Road, Basingstoke  
Hampshire, RG21 4JX  
United Kingdom

*Micronics (Germany)*  
Landsherg Strasse 408  
D-81741 Munich  
Germany

*Micronics Computers, Inc. (Benelux)*  
Hofraanweg 7  
NL-3821 BK Amersfoort  
Netherlands

*Micronics Computers, Inc. (Taiwan)*  
21F, No. 3, Lane 235  
Pro Chiao Road  
Hsinien City, Taipei Hsien  
Taiwan, R.O.C.

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