Introduction

Thank you for choosing the PROMISE Technology **EIDE*PRO*** Enhanced IDE ISA controller. This PROMISE Technology multi-function controller supports Enhanced IDE high performance hard disk drives, EIDE ATAPI CD-ROM devices, and high speed I/O ports for your IBM PC compatible systems.

> **Those experienced in installation procedures may wish to utilize the Quick Install section, beginning in Chapter 2 on page 2-4.**

Key Features and Benefits of the EIDE*PRO*

IDE Device Support	
Features	*Benefits*
Onboard BIOS supports LBA drive translation mode for up to 4 EIDE drives with capacities of up to 8.4GB per drive.	Provides most compatible solution for high capacity drive support. EIDE*PRO* handles higher capacity drives without external software drivers that could cause incompatibility problems. Allows standard FDISK partition program to identify and partition large capacity drives.
Supports combinations of four EIDE and IDE devices. Onboard BIOS auto-configures and attaches up to four EIDE hard drives.	Maximum storage and maximum device add-on options.
ATAPI-ready IDE channels supports newer devices such as ATAPI IDE CD-ROM and TAPE drives.	Separate IDE device channel offers maximum IDE device options and performance.
IDE Block Mode (multi-sector read/writes).	Increase IDE data transfer rates up to 80% to reduce system overhead and boost overall system performance.

Advanced Hardware Design	
Features	*Benefits*
Two 16550 UART serial ports with 16 byte FIFO buffer.	Saves CPU overhead during high speed data communication and increases data throughput.
One IEEE 1284 compliant Enhanced bi-directional Parallel Port (ECP/EPP) for up to 2MB/s transfer rate.	Supports fast data transfers for higher printing speeds; allows attachment of high performance parallel port peripherals.
Supports two floppy drives of up to 2.88MB* density; 1 Mbit/sec floppy data transfer. *with motherboard BIOS support	Does not require separate floppy drive/tape controller while supporting higher capacity floppy disk drives and increased data transfer rates for newer QIC-80 / QIC-Wide / Travan floppy tape drives.

Compatibility	
Features	*Benefits*
ISA Bus compliant.	Installs in standard PCs.
Compatible with major operating systems.	Easy installation of DOS, Windows 3.1x, Windows 95, Windows NT, OS/2 2.1x / 3.0 Warp, NetWare 3.1x / 4.x, and UNIX.
Driver support for Windows and Windows for Workgroups 3.1x.	Included drivers to maintain use of Windows 32-bit disk access (Fastdisk) and 32-bit File access modes.