GT-675P
Pentium III Socket 370 PISA bus half size CPU Card

Introduction

The GT-675P is the PISA bus version of the model GT-675. It features the full functions, industrialized, PISA bus single board computer with a high-frequency Intel Pentium IIIR level processor by a socket370. The 440BX AGP set built in to the single board computer is the most efficient and reliable way to upgrade existing ISA systems to Pentium III technology.

The GT-675P single board computer is further enhanced by the CHIPS 69000 Graphics Accelerator to deliver the most advanced graphics and video support available. The 69000 supports a wide variety of monochrome and color Single Panel, Single-Drive (SS) and Dual-Panel, Dual-Drive (DD), standard and high resolution, passive STN and active matrix TFT LCD, and EL panels. With HiQ Color technology, up to 256 gray scales is supported on passive STN LCD. Up to 16.7M different colors can be displayed on passive STN LCD and up to 16.7M colors on 24 bit active matrix LCD. The on-board Intel 82559 LAN chipset with the W.O.L. (wake-on-LAN) provides a fast networking environment for tough application.

The GT-675P combines the many features needed for system operation into one compact single board computer, including Ultra/DMA IDE drive controllers, high performance serial ports, enhanced parallel port, and the latest BIOS features. Additional enhancements to the GT-675P include two USB ports and a programmable watchdog timer. Two dual in-line memory module (DIMM) sockets support up to 512MB of synchronous DRAM (SDRAM) memory.

The 440BX AGPset in the GT-675P incorporates the latest microprocessor technology from Intel to provide the increased bandwidth needed to operate your system bus at speeds up to 100MHz. The 440BX AGPset is a two-chip set comprised of the Intel 82443BX (PAC) host bridge and the Intel 82371EB (PIIX4E) I/O subsystem. In addition, it provides USB host interface support for two USB ports and a System Management Bus (SMB) with support for DIMM Serial PD.

Specification

CPU	Zip Socket 370 to support different level CPU Up to Intel Pentium III 800MHz
System Memory	16MB to 512MB maximum Supports 2 banks 168-pin DIMM socket PC-100 Compatible
Disk-on-chip	Socket for M-system disk on chip
System BIOS	AWARD BIOS
System Chipset	82443BX Host Bridge Controller 82371EB PCI/ISA/IDE Accelerator Supports 66/100 MHz FSB
VGA Chipset	C&T 69000
VGA Memory	2MB SDRAM for the graphics/video frame buffer
VGA Resolution	Supports Flat-panel resolutions up to 640x480, 800x600, 1024x768 Supports non-interlace CRT monitors, 1024x768 64K Colors
Ethernet	Intel 82559 with wake-on-lan function
Super I/O	WINBOND 83977
Bus Type	PISA bus
Expansion Bus	A 16-bit PC104 connector for expansion modules
Floppy Disk Interface	Supports up to two floppy disk drivers 3.5" &/or 5.25"
IDE HDD Interface	One enhanced IDE interface, supports 2 IDE devices
Parallel Port	Enhanced bi-directional EPP/ECP/SPP parallel port
Serial Port	Two RS232, 16C550 compatible, FIFO buffer
USB	Dual USB connectors at rear panel via separate cable and bracket assembly (optional)
VGA Connector	One DB-15 VGA connector for CRT monitor One 2x22 pin header for Fat-panel
Keyboard & Mouse Connector	Two 6-pin Mini_Din connectors are located on the mounting bracket for keyboard & mouse One 2x22 pin header for Fat-panel
Watchdog Timer	Can generate a system RESET, timer interval is 0~63sec (14 level)
Real Time Clock	SGS M48T86 PCI (or compatible)On-chip lithium battery with 10 years data retention
Power Requirement	+5V typical current draw: 6-10A +5V maximum current draw: 8-18A +12V maximum current draw: 600mA -12V maximum current draw: 200mA
Operating Temperature	32° to 140° F (0° to 60°C)
Board Size	185mm x 122mm

Order Information

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Giantec Inc.
4F, No. 3,Lane 123, Pao Chung Rd., Hsin Tien City, Taipei Hsien, Taiwan 231, R.O.C
Tel : +886-2-2910-4596 Fax : +886-2-2910-4586 Web Site : www.giantec.com.tw