



Giantec Inc.



Drsigner & Manufacturer of Vehicle PC , DVR & IPC Application.

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Introduction

Specification



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The GT-500 is a little board size all-in-one embedded Single Board Pentium CPU card. It integrates the VGA GUI Accelerator controller, Ethernet controller, Audio controller, one Disk-on-Chip socket for flash disk, four serial RS-232 ports (one for RS232 / RS422 / RS485), enhanced bi-directional parallel port, PCI enhanced IDE hard disk drive interface, floppy disk controller and watchdog timer.

Its high performance VGA display supports both CRT and panel display with a display memory of up to 2MB and a resolution of up to 800x600 on commonly used flat panels and true color on CRT display.

The cost-effective GT-500 provides the industrial feature for meeting the most applications requirement.

### Specification

<b>Type :</b>	Embedded 5.25" disk size single board computer
<b>Audio :</b>	On-board ESS 1869 3D Sound chip w/ audio amplifier Two 4-pin header for Speak-out & Line-in
<b>CPU :</b>	PGA Socket 7 to support different level CPU Intel Pentium/MMX, AMD K5/K6, Cyrix M1/M2, IDT C6 up to 400MHz
<b>Disk-on-chip :</b>	Socket for M-system disk on chip
<b>Cache :</b>	512KB 2nd pipeline synchronous burst SRAM
<b>IDE HDD Interface :</b>	One Enhanced IDE interface Supports 2 IDE devices PIO Mode 4 and Ultra DMA/33 support
<b>System Memory :</b>	Supports two 72-pin SIMM sockets Accepts 1/2/4/8/16/32/64MB SIMM Module
<b>Floppy Disk Interface :</b>	Supports up to two floppy disk drivers 3.5" &/or 5.25"
<b>System BIOS :</b>	AWARD BIOS
<b>Parallel Port :</b>	Enhanced Bi-directional EPP/ECP/SPP parallel port
<b>System Chipset :</b>	Intel 82439HX Host Bridge Controller Intel 82371SB PCI/ISA/IDE Accelerator
<b>Serial Port :</b>	Three RS232 ports & one RS232/422/485 port with 16C550 UARTs
<b>Super I/O :</b>	SMC 37C669
<b>Watchdog Timer :</b>	Can generate a system RESET Timer interval is 0~63 sec. (14 level)
<b>Real Time Clock :</b>	SGS M48T86 PCI (or compatible) On-chip lithium battery with 10 years data retention
<b>Keyboard &amp; Mouse Connector :</b>	Two PS/2 connector for KB/Mouse by an extended AD-401 daughter board
<b>VGA Chipset :</b>	C&T 69000
<b>USB :</b>	One 2x4 pin header for external dual USB
<b>VGA Memory :</b>	On-chip 2MB SDRAM
<b>Expansion Bus :</b>	One 16 bit PC104 connector on board One PCI Slot on-board
<b>VGA Resolution :</b>	Supports Flat-panel resolutions up to 640x480, 800x600, 1024x768, 1280x1024 Supports non-interlace

CRT monitors, up to 1024x768 64K colors

**Operating Temperature :** 32° to 140° F ( 0° to 60° C)

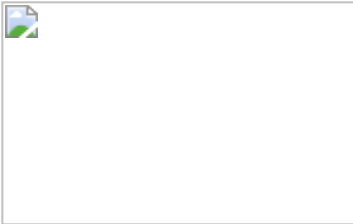
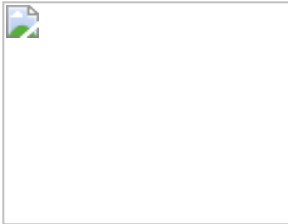
**VGA Connector :** One 2x8 pin header for CRT monitor  
One 2x22 pin header for Flat-panel

**Power Requirement :** +5V/5.5A, +12V/500mA  
12-pin external PS/2 power connector

**Networking :** Realtek RTL8139 Ethernet controller  
10/100 Base T with RJ-45 connectors

**Board Size :** 203mm x 146mm

Accessory



- Pentium 5.25" disk size embedded Single Board Computer
- With Cable Set, AD-401, User's Manual, Export Packing



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