Giantec Inc.

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

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GT-336

Introduction Specification   Download (DM.pdf)

The GT-336 is a half-size IBMTM PC AT 386SX all-in-one CPU card based on the ALI M6117 single chip with a built-in 386SX CPU core. Its high performance VGA/LCD controller is an ISA bus compatible chip with GUI accelerator that supports 1MB display memory and resolution of up to 640x480 at 1.6 million colors.

The GT-336 also offers several features such as a 24-bit watchdog timer that can generate a system RESET, NMI and IRQ with interval from 30 us - 512 seconds with resolution 30.5us.

The GT-336 supports up to two 72-pin SIMM sockets, allowing DRAM expansion up to a maximum of 32MB. In addition, there are two serial ports, one RS232 & one RS232/422/485 port. The standard ECP/EPP parallel port on the NEAT-336 supports up to two IDE hard disk drives and two floppy disk drivers. The M-system DOC socket supports up to 144MB solid-state disk. GT-336 is also consolidates a PC/104 connector into its design that accommodates easy expansion to meet your application needs.

The GT-336 is a reliable product. Its highly compact form and numerous features make it an ideal cost effective SBC solution.

Specification

Bus Type :	ISA bus - 98 pin for 16 bits ISA bus
Disk-on-chip :	Support M-system 1/2/4/8/12/24/32/72/144MB S.S.D.
CPU :	80386SX-33/40 compatible
IDE HDD Interface :	Supports one IDE (AT bus) hard disk drives
System Memory :	Supports on board 4 MB DRAM Supports one 72-pin SIMM sockets
Floppy Disk Interface :	Supports up to two floppy disk drivers
System BIOS :	AMI BIOS
Parallel Port :	Enhanced Bi-directional EPP/ECP/SPP parallel port
System Chipset :	ALI M6117
Serial Port :	One RS-232 port & one RS-232/422/485 port with 16C550 UARTs compatible
Super I/O :	SMC 37C669
Watchdog Timer :	Programmable timeout signals by generate a system RESSET, NMI and IRQ. Timeout period from 30.5us to 512sec with 3.5us resolution
Real Time Clock :	SGS M48T86 PCI (or compatible) with lithium battery backup for 10 years data retention
Keyboard & Mouse Connector :	Two 6-pin mini-DIN connector for keyboard/mouse One 5-pin header for external keyboard
VGA Chipset :	C&T; 65545 ISA bus with GUI accelerator
Expansion Bus :	A 16-bit PC104 connector for expansion modules
VGA Memory :	On-board 1MB
Power Requirement :	+5V DC / 1.5Amp only with 8-pin power connector
VGA Resolution :	Supports CRT monitor 640x480 16.7M color; 800x600 64K color, 1024x768 256 color non-interlaced Supports Mono/Color LCD with 640x480, 800x600

Operating emperature :	32o to 140o F (0o to 60oC)
VGA Connector :	Supports 44-pin LCD interface connector Supports 15-pin D-sub connector for analog VGA
Board Size :	185mm X 122mm

Accessory

- 386SX-40 ISA bus half size CPU card
- With Cable Set, User's Manual, Export Packing

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