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GT-400

Introduction :

The GT-400 is little board size, 486 level all-in-One embedded Single Board Computer comes equipped with either Intel / AMD / Cyrix / SGS Thomson 80486 CPU series. The board design combine together with all necessary input and output effects interfaces which makes it an ideal all-in-one industrial PC board.

With an on-board C&T; 65550 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. The GT-400 industrial-grade construction ensures continuous, reliable operation in harsh industrial environments.

Its display features the ability to control most EL, mono/color STN and TFT flat panel display as well as standard VGA. Equipped with 1MB of EDO DRAM, up to 2MB EDO DRAM (optional). The display resolution is in 640x480 for common flat panels and true color on CRT display.

The GT-400 can also transform any system into a 32-bit 486 compatible computer. Its cost effectively feature can meet your requirement at either industrial or commercial applications.

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Specification :

- **Type:**
Embedded 5.25" disk size single board computer
- **CPU:**
On-board equipped with SQFP CPU
AMD 5x86-133
- **Cache:**
256KB/512KB 2nd level cache
- **Networking:**
Realtek RTL8139, 100 base T, 10/100MB auto negotiation; shield RJ-45 connector on board
- **Audio:**
ESS-1869 3D Sound Blaster compatible with Microphone-input, Line-in & Speaker-out
- **Disk-on-chip:**
Support M-system

memory(Manufacturer Option)

1/2/4/8/12/24/32/72/144MB S.S.D.

- **System Memory:**
Supports on board 16 MB DRAM
Supports one 72-pin SIMM sockets
Accepts 4/8/16/32/64 MB SIMM module.
- **System BIOS:**
AWARD BIOS
- **System Chipset:**
ALI M1487/M1489
- **Super I/O:**
SMC 37C669
- **Real Time Clock:**
SGS M48T86 PCI (or compatible)
with lithium battery backup for
10 years data retention
- **VGA Chipset:**
C&T; 65550 LCD/CRT VGA controller
on board
- **VGA Memory:**
On-board 1MB up to 2MB
- **VGA Resolution:**
Supports flat-panel up to 640x480,
800x600, 1024x768
Supports non-interlace CRT monitors
1024x768, 1280x1024
- **VGA Connector:**
One DB-15 for CRT monitor
One 2x22 pin header for Flat-panel
- **IDE HDD Interface:**
One enhanced IDE interface, supports 2 IDE
devices
PIO Mode 4 supported
- **Floppy Disk Interface:**
Supports up to two floppy disks
- **Parallel Port:**
Enhanced Bi-directional EPP/ECP/SPP
parallel port
- **Serial Port:**
Three RS-232 ports & one RS-232/422/485
port with 16C550 UARTs compatible
- **Watchdog Timer:**
Can generate a system RESET
Timer interval is 0~63 sec. (14 level)
- **Keyboard & Mouse Connector:**
Two PS/2 connector for KB/Mouse by an
extended
AD-401 daughter board
- **Expansion Bus:**
One 16-bit PC104 connector for expansion
modules
One PCI slot on board
- **Power Requirement:**
+5V/2.5A, +12V/0.3A with P8 connector
- **Operating Temperature:**
32° to 140° F (0° to 60° C)
- **Board Size:**
203mm X 146mm

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Ordering Information :

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

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