



The screenshot shows a web browser window displaying the Giantec website. The main content area features a large image of the GT-600V industrial PC board, which is a single-board computer with various components like a CPU, memory, and connectors. To the right of the image is a vertical navigation menu with links: [Introduction](#), [Specification](#), [Accessory](#), and [Ordering Information](#). Below the image, the text 'GT-600V' is displayed. On the left side, there is a sidebar with a 'Products' dropdown menu and a list of product categories, each represented by a small image icon.

### Introduction :

The GT-600V is designed for upgrading the GT-500V performance. It emphasizes more features at video and audio functions that bring the best solution to digital surveillance system or security related applications.

The little board sized GT-600V embedded CPU card is a full featured, industrialized, single board computer with a high-frequency Intel Pentium III processor that brings advanced CPU technology and processing power. The brand new Intel 815E chipset supports up to 133MHz FSB provides an outstanding perform for system.

The GT-600V single board computer enhances by the Intel 3D AGP bus chipset to deliver the most advanced graphics and video support. It 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.

The GT-600V integrates audio and video capture interfaces. It provides integrated 3D audio with six channels which complies with the AC97 standard, and video capture provides 4 video inputs.

The GT-600V combines the many features needed for system operation into one compact single board computer, including Ethernet controller, video input / output interface, IDE drive controllers, sound controller, high performance serial ports, enhanced parallel port, and the latest BIOS features. Additional enhancements to the GT-600V include two USB ports and a programmable watchdog timer.

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### Specification :

- **Type:**  
Embedded 5.25" disk size single board computer
- **Video:**  
Rockwell BT878 video interface supports 4 video input
- **CPU:**  
PGA Socket 370 to support different level CPU  
Supports up to Pentium III 1000MHz
- **Disk-on-chip:**

- **Cache:**  
Celeron w/ 128KB 2<sup>nd</sup> Cache  
Coppermine w/ 256KB 2<sup>nd</sup> Cache
- **System Memory:**  
Supports two 168-pin DIMM sockets, PC-133  
Accepts 32/64/128/256 MB SIMM Module
- **System BIOS:**  
AWARD BIOS
- **System Chipset:**  
Intel 815E Chipset  
Supports 66/100/133MHz FSB
- **Super I/O:**  
WINDBOND W83627HF LPC interface
- **Real Time Clock:**  
256 bytes of battery-backed RAM  
Lithium battery with 10 years data retention
- **VGA Chipset:**  
On-chip INTEL 3D w/ direct AGP
- **VGA Memory:**  
Share w/ system memory interface with 64-bit, 133MHz
- **VGA Resolution:**  
Supports Flat-panel resolutions up to 1280x1024  
Supports non-interlace CRT monitors, up to 1600x1200
- **VGA Connector:**  
One DB-15 VGA connector for CRT monitor  
One 2x22 and 2x8 pin header for Flat-panel
- **Networking:**  
10/100 Mbps Fast Ethernet w/ RJ-45 connector
- **Audio:**  
AC 97 Audio with Six Channels
- **IDE HDD Interface:**  
Two Enhanced IDE interface, supports 2 IDE devices  
PIO Mode 4 and Ultra DMA/33/66/100 supported
- **Floppy Disk Interface:**  
Supports up to two FDD  
(360KB/1.2MB/720KB/1.44MB/ 2.88MB)
- **Parallel Port:**  
Enhanced Bi-directional EPP/ECP/SPP parallel port
- **Digital I/O Port:**  
Supports 8 digital inputs and 8 digital outputs
- **Serial port:**  
Three RS232 ports & one RS232/422/485 port with 16C550 UARTs
- **Watchdog Timer:**  
Can generate a system RESET  
Timer interval is 0~63 sec (14 level)
- **Keyboard & Mouse Connectors:**  
Two 6-pin mini-DIN connector at rear panel
- **USB:**  
Dual USB connectors at rear panel via separate cable and bracket assembly
- **Expansion Bus:**  
One 32-bit PCI Slot on-board
- **Operating Temperature:**  
32° to 140° F (0° to 60° C)
- **Power Requirement:**  
+5V/10A, +12V/600mA, +3.3V ATX Power
- **Board Size:**  
203mm x 146mm

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## Accessory

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### ***Ordering Information :***

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