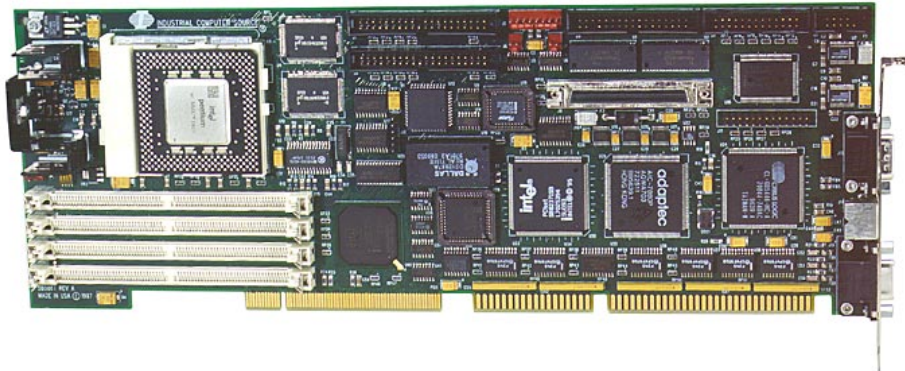


# Model SB586T Series

## Triton II Single Board Pentium Computer



### FEATURES

- **Pentium and Pentium MMX Support**
- **Optional On-board Ultra SCSI-3**
- **Optional On-board SVGA Video**
- **Intel Triton II Chip Set**
- **512k L2 Cache**
- **To 256MB On-board DRAM**



### DESCRIPTION

All the latest on-board controllers available for support on the Intel Triton II chip set and Pentium processors including those with MMX technology. The base model series, SB586T, offers two channels of EIDE interface for up to four disk drive devices, a floppy drive interface port, two RS232 ports with isolation up to 1500V, the parallel printer port and a PS/2 mouse port. The EIDE interface is driven on the PCI bus offering throughput at up to the limits of today's fast ATA disk drive devices.

For users with SCSI-3 requirements, the SB586TS series adds an Adaptec 7880 controller for Ultra and Ultra-Wide devices at up to 40MB/S throughput. In order to save PCI expansion slots for other required feature cards, the SB586TV series can eliminate the need to use a slot by providing a Cirrus Logic 5446 SVGA video port with 1MB on-board DRAM. To save the most amount of space possible, and at the same time insure that the disk and video controllers you have in your system will be available the next time you build your products, the SB586TSV provides all your system controller functions on one card.

## SPECIFICATIONS

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### Processors Supported

Pentium (P54C), Pentium MMX (P55C)  
ZIF Socket 7  
Processor heat sink and fan included

### Processor Speeds

100, 133, 166, 200 and 233MHz  
One board assembly for all Pentium speeds

### Bus Clock Rate

66MHz Processor bus  
33MHz PCI Bus  
8.3MHz ISA Bus, 24mA line drivers

### BIOS

AMI HiFlex plug & Play

### Cache

External 512k, L2, Synchronous burst  
Pipeline Burst for highest performance figures

### DRAM

To 256MB on-board  
Four Tin Plated SIMM sockets, 72 pin  
x36 or x32 SIMMs Supported  
ECC SIMMs Supported  
Auto support selected by BIOS/Chip Set

## CONTROLLERS

### EIDE

Dual channel, LBA and PIO Mode 4,  
Shrouded, Keyed Connector

### Floppy

720k through 2.88MB Support  
Shrouded, Keyed Connector

### PS/2 Mouse

PS/2 Connector on the rear panel bracket

### Parallel

EPP, EPC Enhanced, cable and connector to a  
rear panel bracket

### Two Serial

Isolated, Buffered, Header connectors, keyed, one  
connector on rear panel bracket, one cabled to a  
rear panel bracket with D-shell

### Keyboard

PS/2, header on board

### SVGA Video (SB586TV and SB586TSV Series only)

Cirrus Logic 64-bit GD5446-HC-B with 1MB  
RAM  
135MHz Maximum Dot Clock  
True Color to 800x600  
To 1280x1024 Non-interlaced  
DB15S Connector On Rear Bracket. (No Hole  
On Non-Video Model)  
VESA Feature Connector

### SCSI-3 (SB586TS and SB586TSV Series only)

Adaptec AIC-7880P Ultra Narrow/Wide, Single  
Ended  
256 byte Data FIFO  
To 40MB/S Data Throughput  
Support 133MHz Burst Data Rate to PCI Bus  
68 pin high density D-shell on board

### Dimensions

Standard PICMG card specification

### Operating environment

Temperature: 0 to 70°C  
Humidity: 5-90% RHNC

### Storage Environment

Temperature: -40 to +70 °C  
Humidity: 5-90% RHNC

### Agency Approvals

CE Class B  
RU, c-UL, FCC B

## ORDERING GUIDE

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### Model SB586T100

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache

### Model SB586T133

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache

### Model SB586T166

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache

### Model SB586T200

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache

### Model SB586T166X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache

### Model SB586T200X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache

### Model SB586T233X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache

## WITH OPTIONAL ULTRA SCSI CONTROLLER

### Model SB586TS100

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI

### Model SB586TS133

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI

### Model SB586TS166

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI

### Model SB586TS200

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI

### Model SB586TS166X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI

### Model SB586TS200X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI

### Model SB586TS233X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI

## WITH OPTIONAL SVGA VIDEO CONTROLLER

### Model SB586TV100

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SVGA Video

### Model SB586TV133

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SVGA Video

### Model SB586TV166

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SVGA Video

### Model SB586TV200

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SVGA Video

### Model SB586TV166X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache, SVGA Video

### Model SB586TV200X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache, SVGA Video

### Model SB586TV233X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache, SVGA Video

## WITH OPTIONAL ULTRA SCSI AND SVGA VIDEO CONTROLLERS

### Model SB586TSV100

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI, SVGA Video

### Model SB586TSV133

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI, SVGA Video

### Model SB586TSV166

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI, SVGA Video

### Model SB586TSV200

Pentium Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI, SVGA Video

### Model SB586TSV166X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI, SVGA Video

### Model SB586TSV200X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI, SVGA Video

### Model SB586TSV233X

Pentium MMX Processor, Fan Cooled Heatsink, Manual, 512k Cache, SCSI, SVGA Video

