

# SPC-200 2U Rackmount Dual Pentium® III e-Server

## Features At A Glance

- ✓ 2U High, Dual Intel Pentium® III
- ✓ Intel 440GX chipset
- ✓ One Slim-type CD-ROM & FDD and Five 3.5" HDDs
- ✓ 300 W ATX power supply



### Application

#### Suitable for Internet-focused System in ISP / ASP

The SPC-200 e-Server is the Internet-focused complete system product with full computing functions. This 2U high thin server helps users to achieve complete customized server and network functionality. Users can install flexible operating systems, better firewalls, broader management and development tools.



The SPC-200 series has been rigorously tested in Win NT, Linux, and Free BSD OS environments to guarantee system compatibility. It's the

ideal platform designed specially for Internet-focused applications in ISP, ASP, telecommunications, and space-limited data center.

### Specifications

|                          |  |
|--------------------------|--|
| <b>CPU</b>               | Dual slot-1 Intel Pentium® III Processor   |
| <b>Chipset</b>           | Intel 440GX chipset, 100 MHz FSB   |
| <b>SDRAM</b>             | 4 DIMMs support up to 2 GB of PC/100 compliant commodity SDRAM   |
| <b>Expansion slot</b>    | Two 33 MHz, 32-bit PCI slots   |
| <b>SCSI</b>              | Integrated Adaptec 7896 PCI dual-port SCSI controller  |
| <b>Disk Drives</b>       | One slim-type CD-ROM and FDD Disk and 5 x 3.5" HDD (optional hot-swappable)  |
| <b>Network</b>           | Intel 82559 10/100 PCI Ethernet controller   |
| <b>IDE</b>               | Dual Ultra DMA/33 IDE interfaces, each able to support two IDE drives  |
| <b>I/O ports</b>         | 2 x RS-232 ports, 1 parallel port, 2 x FDDs, 2 x USB ports, 1 x PS/2 keyboard, 1x PS/2 mouse                         |
| <b>Power supply</b>      | 300 W ATX AC power supply  |
| <b>Cooling fans</b>      | 4 x 36-CFM and 1 x 15-CFM cooling fans, 159 CFM in total   |
| <b>System Monitoring</b> | Integration of server management features, including thermal, voltage fan and chassis monitoring into one controller |
| <b>Dimensions</b>        | 714 x 422 x 88 mm (19" x 8.75" x 26")  |
| <b>Weight</b>            | 17kg ( 37.4lb )  |

### Special Design

#### Slim 2U-high Design Pack Powerful Solution

The SPC-200 pack impressive features within a mere 2U chassis. These include powerful processor, server-level motherboard, high storage capacity, fault-resilient features, and network access.



## Hot-swappable Disk Drives

The SPC-200 series has an optional SCSI SCA-2 interface midplane, enabling SCSI HDDs to be hot-swappable for maximum system downtime. The SPC-200 series with high storage capacity accommodates five 3.5" disk drives, and one slim-type CD-ROM and FDD disk drive.



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### Easy Maintenance

## Thumb Screws for Easy Maintenance

Thumbscrews are used in the SPC-200 components such as HDD trays and top cover, allowing you convenient tool-free maintenance.

### Flexible Offering

## SPC-200 : Complete Server Functionality

The SPC-200 with server board integrated is a complete full-function server platform, forming the building blocks for users' application systems. In addition to the standard built-in server board, Advantech also recommends Intel L440GX+ server boards for integration. See the table at right side for detail information.

## IPC-612 : Combination Optimum for System Integrator

The IPC-612 series without server board gives system integrators complete freedom to choose the optimum combination of equipment when developing specific applications on their own. You can opt for the server board of your choice (Advantech recommended or otherwise), or employ more functions if required.



## Ordering Information

| Standards Offer<br>(2U-high Server PC<br>with 300W ATX power supply) | Server         | Hot-swap<br>(with SCA-2 midplane) |
|--|----------------|-----------------------------------|
| SPC-200  | TYAN S8137UANG | —                                 |
| SPC-200-SCA  | TYAN S8137UANG | V                                 |
| IPC-612  | V              | —                                 |
| IPC-612-SCA  | V              | V                                 |

## Power Supply

| Power Supply<br>Model Name | Specifications |                         |  |  |                       |
|----------------------------|----------------|-------------------------|--|--|-----------------------|
|                            | Watt           | Input                   | Output   | Mini-load                                | MTBF                  |
| PS-300X-DPS (ATX)          | 300W           | 100/200 V <sub>AC</sub> | +5 V @ 32 A<br>+12 V @ 12 A<br>-5 V @ 0.25 A<br>-12 V @ 0.5A<br>+5V SB@ 1A | + 5V@ 2A<br>+12V@ 0.75A<br>+3.3V @ 0.5 A | 50,000 hours<br>@ 50C |

## Recommended Server Board

| Ordering No. | Description                             | SCSI                          | VGA                                  |
|--------------|---|-------------------------------|--------------------------------------|
| 9689000244   | TYAN S8137UANG<br>( Standard built-in ) | Ultra 2 x 2                   | —                                    |
| 9689000239   | Intel L440GX+                           | Ultra 2 x 1<br>Ultra Wide x 1 | Cirrus Logic GD 5480<br>3MB of SDRAM |