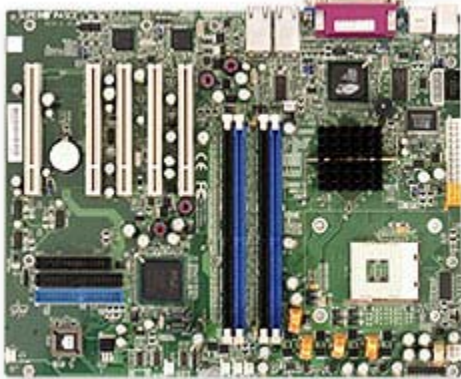


# P4SCE

Products ▶ Motherboards ▶ Pentium® 4 Boards ▶ [ P4SCE ]



## Key Features

1. Intel® Pentium® 4 Support up to 3.4 GHz, Celeron® up to 2.4 GHz
2. Intel® E7210 (Canterwood ES) Chipset
3. Up to 4GB DDR 400/333/266 SDRAM
4. 2 x Intel® 82541 Gigabit Ethernet Controllers
5. Serial ATA Controller on-chip (Intel® ICH5R)
6. 5 x 32-bit 33 MHz PCI (5V)
7. ATI RageXL 8MB PCI Graphic Controller

## Links & Resources

- ▶ [Recommended Chassis](#)
- ▶ [Tested Memory List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Update Your BIOS](#)
- ▶ [Download the Latest Drivers and Utilities](#)

## Specifications

### Physical Stats

|             |                               |
|-------------|-------------------------------|
| Form Factor | ATX                           |
| Dimensions  | 12" x 9.5", (30.5cm x 24.1cm) |

### Processor/Cache

|            |  |
|------------|--|
| CPU        | <ul style="list-style-type: none"> <li>• Single mPGA478 ZIF Sockets</li> <li>• Supports an Intel® Pentium® 4 processor with 2MB of integrated Advanced Transfer Cache up to 3.4GHz (Extreme Edition)</li> <li>• Supports an Intel® Pentium® 4 processor with 1MB of integrated Advanced Transfer Cache up to 3.2GHz</li> <li>• Supports an Intel® Celeron® processor with 128KB of integrated Advanced Transfer Cache up to 2.4GHz</li> <li>• Hyper-threading enabled</li> </ul> |
| System Bus | 800 / 533 / 400MHz system bus  |

### System Memory

|                 |   |
|-----------------|---|
| Memory Capacity | <ul style="list-style-type: none"> <li>• Four 184-pin DIMM sockets</li> <li>• Supports up to 4 GB of DDR400/333/266 memory</li> <li>• Dual channel memory bus</li> <li>• Memory must be populated in pairs</li> </ul> |
| Memory Type     | DDR400/333/266 (ECC or non-ECC) unbuffered SDRAM, 184-pin gold-plated DIMMs   |
| DIMM Sizes      | 256 MB, 512 MB, 1 GB  |
| Memory Voltage  | 2.5 V only  |

### On-Board Devices

|         |   |
|---------|---|
| Chipset | <ul style="list-style-type: none"> <li>• Intel® E7210 (Canterwood ES) chipset</li> <li>• MCH + ICH5R + FWH</li> </ul> |
|---------|---|

### Chassis ( Optimized for P4SCE )

|                      |  |
|----------------------|--|
| 1U Chassis           | • SC811-IDEP4  |
| Rackmount Tower / 4U | • SC742i-300   |
| Mid-Tower            | • SC733i-300   |
| Tower                | • SC762-420  |
| Important Note       | To ensure system stability, a 300W (minimum) ATX power supply [4-pin +12V AND (20 or 24-pin)] is required. |

### System BIOS

|               |  |
|---------------|--|
| BIOS Type     | 4Mb Flash EEPROM with AwardBIOS®   |
| BIOS Features | <ul style="list-style-type: none"> <li>• Plug and Play (PnP)</li> <li>• APM 1.2</li> <li>• DMI 2.3 support</li> <li>• PCI 2.3</li> <li>• ACPI 1.0</li> <li>• BIOS rescue hot keys</li> <li>• Hardware BIOS virus protection</li> <li>• USB Keyboard support</li> </ul> |

### Management

|                      |  |
|----------------------|--|
| Software             | <ul style="list-style-type: none"> <li>• Super Doctor III</li> <li>• Watch Dog</li> </ul>  |
| Power Configurations | <ul style="list-style-type: none"> <li>• ACPI/APM Power Management</li> <li>• Main Switch Override Mechanism</li> <li>• Wake-On-Ring (WOR) header</li> <li>• Wake-On-LAN (WOL) header</li> <li>• Suspend to RAM (STR)</li> <li>• Power-on mode control for AC power loss recovery</li> <li>• Internal/External modem remote ring-on</li> </ul> |

### PC Health Monitoring

|                            |   |
|----------------------------|---|
| <b>Serial ATA</b>          | <ul style="list-style-type: none"> <li>• SATA Controller on-chip (Intel® ICH5R)</li> <li>• Dual Serial ATA ports</li> <li>• RAID 0, 1 Supported *</li> </ul>        |
| <b>Network Controllers</b> | <ul style="list-style-type: none"> <li>• Dual Intel® 82541 Gigabit Ethernet</li> <li>• Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>        |
| <b>Graphics</b>            | ATI Rage XL SVGA PCI video controller with 8 MB of video memory   |
| <b>Input / Output</b>      |   |
| <b>PCI Expansion</b>       | <ul style="list-style-type: none"> <li>• 5x 32-bit 33MHz PCI (5V) slots</li> </ul>  |
| <b>IDE</b>                 | <ul style="list-style-type: none"> <li>• Dual EIDE channels support up to four UDMA IDE devices</li> <li>• Supports UDMA Mode 5, PIO Mode 4, and ATA/100</li> </ul> |
| <b>USB</b>                 | Up to 8 USB ports   |
| <b>Infrared</b>            | 1 Infrared port header  |
| <b>Serial Ports</b>        | 2 Fast UART 16550 serial ports  |
| <b>Parallel Port</b>       | 1 ECP / EEP Parallel Port   |
| <b>Floppy</b>              | 1 Floppy controller; 1.44 MB, 2.88 MB, 3-mode support   |
| <b>Keyboard / Mouse</b>    | PS/2 keyboard and mouse ports   |

|   |   |
|---|---|
| <b>CPU</b>  | <ul style="list-style-type: none"> <li>• Monitors for CPU Cores, +3.3V, +5, ±12V, +3.3V/+5V Standby, VBAT</li> <li>• CPU Core 3-Phase-switching voltage regulator with auto-sense from 0.85V-1.65V</li> <li>• Adjustable CPU clock frequency ratio settings (via BIOS)</li> </ul> |
| <b>FAN</b>  | <ul style="list-style-type: none"> <li>• Total of four 3-pin fan headers</li> <li>• 3x fans with tachometer monitoring</li> <li>• Status monitor with firmware/software on/off control</li> </ul>   |
| <b>Temperature</b>  | <ul style="list-style-type: none"> <li>• Monitoring for CPU, chassis, environment</li> <li>• CPU thermal trip support</li> </ul>  |
| <b>LED</b>  | <ul style="list-style-type: none"> <li>• CPU Overheat LED</li> <li>• System Overheat LED</li> <li>• +5V standby alert LED</li> <li>• Suspend-state indicator LED</li> </ul>   |
| <b>Other Features</b>   | <ul style="list-style-type: none"> <li>• Chassis intrusion detection</li> <li>• Chassis intrusion header</li> </ul>   |
| <b>OS Compatibility</b>   |   |
| <ul style="list-style-type: none"> <li>• Please see our <a href="#">OS Compatibility Chart</a></li> </ul> |   |

\* - Driver Support for Windows 2000, XP, and 2003 only

## Parts List

### Standard Retail Package

|                       | Part Number | Qty | Description                             |
|-----------------------|-------------|-----|---|
| <b>P4SCE</b>          | MBD-P4SCE-O | 1   | P4SCE Motherboard                       |
| <b>Manual(s)</b>      | MNL-0697    | 1   | Manual for P4SCE                        |
| <b>Retention Kits</b> | SKT-109     | 1   | Pentium 4, 478 Pin CPU Retention Module |
| <b>I/O Cables</b>     | CBL-010     | 1   | 9-pin Serial Port Cable                 |
|                       | CBL-022     | 1   | ATX Floppy Cable                        |
|                       | CBL-036     | 1   | ATA 66/100 IDE LP Cable                 |
|                       | CBL-041     | 1   | USB 2.0 4-Port Cable with Key on 10     |
|                       | CBL-044     | 2   | 2 Ft. Amphenol Serial ATA Cable         |
| <b>Driver Disk</b>    | CDR-INTC    | 1   | Version 1.00 Chipset Driver CD          |
| <b>I/O Shield</b>     | CSE-PT7     | 1   | I/O Shield for Dual LAN                 |

**Note:** Items in a Standard Retail Package may differ from items in a Standard Bulk Package.