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# P4SCi

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## 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. 1 x Intel® 82547GI CSA, 1x Intel® 82541 Gigabit Ethernet Controller
5. Intel® H6300ESB Serial ATA Controller
6. 2 x 64-bit 66MHz PCI-X, 2 x 32-bit 33MHz PCI (5V) slots
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 2.8GHz</li> <li>• Hyper-threading enabled</li> </ul>
	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	128MB, 256 MB, 512 MB, 1 GB
Memory	2.5 V only

Chassis ( Optimized for P4SCi )	
1U Chassis	• <a href="#">SC811i-250</a>
2U Chassis	• <a href="#">SC822i-400LP</a>
Rackmount Tower / 4U	• <a href="#">SC742i-300</a>
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	8Mb 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>• <a href="#">Super Doctor III</a></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> </ul>

Voltage	
<b>On-Board Devices</b>	
Chipset	<ul style="list-style-type: none"> <li>Intel® E7210 (Canterwood ES) chipset</li> <li>MCH + 6300ESB + FWB</li> </ul>
Serial ATA	<ul style="list-style-type: none"> <li>SATA Controller on-chip (Intel® 6300ESB)</li> <li>Dual Serial ATA ports</li> <li>RAID 0, 1 Supported</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>1x Intel® 82547GI CSA Gigabit Ethernet Controller</li> <li>1x Intel® 82541 Gigabit Ethernet Controller</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>
Graphics	ATI Rage XL SVGA PCI video controller with 8 MB of video memory
<b>Input / Output</b>	
PCI Expansion	<ul style="list-style-type: none"> <li>2x 64-bit 66MHz PCI-X (3.3V) slots</li> <li>2x 32-bit 33MHz PCI (5V) slots</li> </ul>
IDE	<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>
Floppy	1 Floppy controller; 1.44 MB, 2.88 MB, 3-mode support
USB	<ul style="list-style-type: none"> <li>2x USB 2.0 / 1.1 ports</li> <li>1x USB header supports additional 2x USB 2.0 / 1.1 ports)</li> </ul>
Serial Ports	2 Fast UART 16550 serial ports
VGA Port	1 VGA Port
Parallel Port	1 ECP / EEP Parallel Port
LAN Port	2x RJ45 Ports
Keyboard / Mouse	PS/2 keyboard and mouse ports

• Internal/External modem remote ring-on	
<b>PC Health Monitoring</b>	
CPU	<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>
FAN	<ul style="list-style-type: none"> <li>Total of five 3-pin fan headers</li> <li>3x fans with tachometer monitoring</li> <li>Status monitor with firmware/software on/off control</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Monitoring for CPU, chassis, environment</li> <li>CPU thermal trip support</li> </ul>
LED	<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>
Other Features	<ul style="list-style-type: none"> <li>Chassis intrusion detection</li> <li>Chassis intrusion header</li> </ul>

### Parts List

Standard Retail Package			
	Part Number	Qty	Description
P4SCi	MBD-P4SCi-O	1	P4SCi Motherboard
Manual(s)	MNL-0718	1	Manual for P4SCi
Retention Kits	SKT-109	1	Pentium 4, 478 Pin CPU Retention Module
I/O Cables	CBL-010	1	9-pin Serial Port Cable
	CBL-022	1	ATX Floppy Cable
	CBL-036	1	ATA 66/100 IDE LP Cable
	CBL-044	2	2 Ft. Amphenol Serial ATA Cable
Driver Disk	CDR-INTC	1	Version 1.10 Chipset Driver CD
I/O Shield	CSE-PT07L	1	I/O Shield For Dual LAN

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