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## Key Features

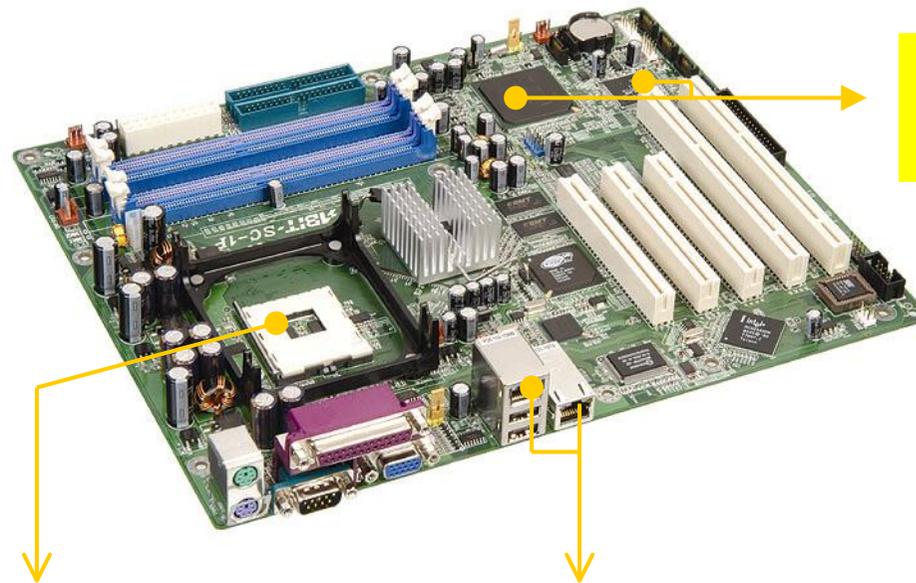
- Socket 478 for Intel® Pentium™4 processor with Hyper-Threading Technology
- Intel® E7210 / Intel® 6300ESB chipsets
- Four 184-pin DIMM sockets, supporting up to 4GB un-buffered, ECC/Non-ECC DDR400/333 memory
- Integrated Silicon Image 3114 SATA controller
- One 64-bit Gigabit Ethernet LAN ports (Intel® 82545EM)
- One 32-bit Gigabit Ethernet LAN ports (Intel® 82547GI)
- Two 64bit PCI-X / Three 32bit PCI slots

# SC-1P Server Board

## Entry-level General Purposed Server Platform

**Intel® Pentium™4, Maximum 4GB DDR Memory, 2 Gigabit LAN,  
6-channel SATA, 2 PCI-X slots**

SC-1P is robust designed for entry level server platform that supports Intel® Pentium™4 Prescott 800MHz system bus with Hyper-Threading technology by Intel® E7210 chipset. Within ATX form factor, SC-1P features with various high speed technologies such as Serial ATA, Gigabit LAN and software RAID 5 function. It's aiming to bring cost-effective general purposed server.



SC-1P combines with 6300ESB and Silicon Image 3114 to support 6-channel SATA with RAID 5 function

Enhance working performance through 800/533MHz FSB

2 Gigabit LAN ports:  
One 64-bit Gigabit and one 32-bit Gigabit LAN ports to provide heavy data transfer

## SC-1P Server board

Gigabit LAN controller  
Intel® 82545EM

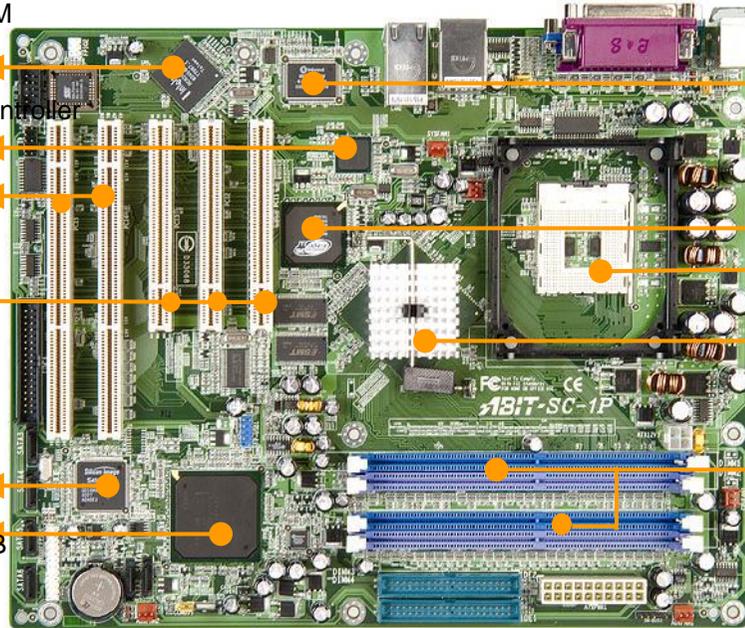
Gigabit LAN controller  
Intel® 82547GI

64-bit PCI-X  
slots

32-bit PCI  
slot

Silicon Image  
3114

Intel® 6300ESB  
Hance Raipds



Hardware monitor  
Controller

VGA controller  
ATI Rage XL  
Socket 478

Intel® E7210  
MCH

184-pin DIMM



LPT port VGA port

COM2  
port

USB  
connectors

RJ-45 LAN ports

PS/2 Keyboard and mouse

## Specifications

### Processor

- Supports Intel® Pentium 4 Northwood/Prescott with 800/533MHz FSB processor up to 3.06GHz and faster

### Chipset

- The Intel® E7210 Chipset
- Memory Controller Hub (MCH)
- Intel® 6300ESB I/O Controller (Hance Rapids)

### Memory

- Four 184-pin DIMM sockets
- Supports up to 4GB dual channel DDR400/333 un-buffered, ECC/ Non-ECC memory

### Networking

- One board Intel® 82545EM single port 64-bit Gigabit Ethernet controller
- One board Intel® 82547GI single port 32-bit Gigabit Ethernet controller

### Graphics

- On board ATI RAGE XL PCI interface VGA with 8MB SDRAM memory

### PCI Expansion Slot

- Two 64-bit PCI-X expansion slots (3.3V)
- Two 32-bit/33MHz PCI expansion slots(5V)

### Host I/O Interface

- One channel Ultra 33/66/100 IDE interface
- Two channel Serial ATA 150MB/s data transfer rate via Intel® 6300ESB
- Four channel Serial ATA 150MB/s data transfer rate via Silicon Image 3114 (Option)

### Internal I/O Connections

- One Floppy Port
- Two Ultra DMA 100/66/33 Connectors
- One COM port header
- Six Serial ATA 150 Connectors
- One USB 2.0 header
- One SM Bus header (For SM Bus and I<sup>2</sup>C)

### External Accessible I/O

- One PS2 Keyboard and Mouse
- Two USB connectors
- Two RJ-45 with front panel LAN Active/Link LED
- One COM port connector
- One VGA connector
- One Printer port

### System BIOS

- Award Plug and Play BIOS
- 4M-bit Flash ROM

### Hardware Monitoring

- Embedded Winbond® W83627HF hardware monitor ASIC
- Three sets of thermal sensors for systems and two fan speed sensors
- Chassis intrusion detector
- Winbond® Hardware Doctor™ Utility

### Form Factor

- ATX, 12" x 9.6"
- ATX 12V PSU