

# Intel® ISP1100 Internet Server Specifications

## Processor/Cache

Processors Supported  
(PGA370)

Intel® Pentium® III processors 750 MHz, 700 MHz, 650 MHz, 600E MHz, 550E MHz and 500 MHz with 256 KB of L2 cache  
Intel® Celeron™ processors 566 MHz, 533 MHz, 500 MHz, 466 MHz, 433 MHz, 400 MHz and 366 MHz with 128 KB of L2 cache

## Intel® Chipset

Intel® 82440BX AGPSet consists of Intel® 82443BX PCI/AGP Controller (PAC) and Intel® 82371EB PCI ISA IDE Xcelerator (PIIX4E)

## System Memory

Memory Capacity

Memory Type

DIMM Sizes

Memory Voltage

Error Detection

Four 25° angle DIMM sockets for 16 MB to 1 GB SDRAM

PC-100 100 MHz or 66 MHz registered or unbuffered SDRAM, 72-bit ECC or 64-bit non-ECC, 168-pin gold-plated DIMMs

Registered – 64 MB, 128 MB and 256 MB

Unbuffered – 16 MB, 32 MB, 64 MB, 128 MB and 256 MB

3.3V only

Corrects single-bit errors, detects double-bit errors (using ECC memory)

## Expansion Slot

One full-length slot and one low-profile slot (32-bit/33 MHz) on passive riser card

## Integrated Intel® Network Adapter

Two stacked Intel® Pro/100+ Server Ethernet Controllers (Intel® 82559)  
Supports 100BASE-T and 10BASE-T, RJ45 output

## Integrated PCI/ISA IDE Xcelerator (PIIX4E)

IDE

USB

Two independent channels for a total of four IDE devices

PIO Modes 0 to 4, ATA-33 and CD-ROM support

Two stacked USB connectors

## Integrated Super I/O

Controller

Serial Ports

Floppy Controller

Keyboard/Mouse

SMSC\* FDC37B807

Two Asynch, RS-232C, 9 pin (1 rear, 1 front)

1.44 MB, 2.88 MB, 3-mode support

Two interchangeable PS/2 connectors

## Front Panel

LED Indicators

Switches

I/O Port

## Jumpers and Connectors

Power, Status, Hard Drive Activity, two LAN Link/Activity, two LAN 100Mbps and two User-programmable

Power, Sleep, Reset and NMI (Non-maskable Interrupt)

Serial port B

CMOS clear, BIOS recovery, password clear, Wake on LAN (WOL), Wake on Ring (WOR), SCSI LED

## System BIOS

BIOS Type

Special Features

8-Mbit Flash EEPROM with AMIBIOS\* BIOS, Multiboot BIOS Boot Specification 1.01 (BBS) compliant

Plug and Play, IDE drive autoconfigure, SMBIOS, ECC/Parity, multilingual, LAN/serial console redirection and Network boot using Preboot Execution Environment 2.0 (PXE)

## Server Management Instrumentation

Failure Detection

Remote Power Control

Voltage variation, thermal, operating system Watchdog Timer, fan failure, processor status and ECC memory

Power up using WOR and WOL

Power off through GUI management console and Reboot-on-Break

Event Logging Security Nonvolatile storage to prevent loss of logs in event of system failure  
Video blanking and password protection

### Intel® Web-based Server Management

Managed Server Management Console Operating systems supported: Windows NT\* 4.0 Server and Red Hat\* Linux 6.1  
Web-based management console (IE 4.0/SP1 and Netscape 5.0)  
Integrates into HP OpenView\*  
System Health Monitor Temperature, voltage, system fans, ECC memory, hard drives, and OS hang monitoring via Watchdog Timer  
Alert Notification Methods Pager alert, LAN alert, SNMP traps, System Event Log, and continuous speaker beep alert  
Critical Event Actions Gracefully shutdown operating system with reboot or power off at administrator's discretion  
Immediate power off, reset

### Environment

Ambient Temperature Operating +10°C to +35°C  
De-rated 0.5°C/1000ft.  
Altitude to 5000ft.  
Maximum rate of change of 10°C per hour.  
Non-operating Temperature -40°C to +70°C ambient  
Non-operating Humidity 95%, non-condensing @ 30°C  
Acoustic Noise < 45 dBA @ 23°C±2°C

### Safety Regulations

USA/Canada UL1950, 3<sup>rd</sup> Edition/CSA 22.2, No. 950M93, 3<sup>rd</sup> Edition  
Europe CE Mark Low Voltage Directive, 73/23/EEC  
TUV/GS to EN60950 2<sup>nd</sup> Edition with Amendments, A1 = A2 + A3 + A4  
International CB Certificate and Report to IEC 60950, 3<sup>rd</sup> Edition including EMKO-TSE (74-SEC) 207/94 and other national deviations

### EMI/RFI

USA FCC 47 CFR Parts 2 and 15, Verified Class A Limit  
Canada IC ICES-003 Class A Limit  
Europe EMC Directive, 89/336/EEC  
EN55022, Class A Limit, Radiated & Conducted Emissions  
EN55024, Immunity Standard for Information Technology Equipment  
EN61000-3-2 Harmonic Currents  
EN61000-3-3 Voltage Flicker  
Australia/New Zealand AS/NZS 3548, Class A Limit  
Japan VCCI Class A ITE (CISPR 22, Class A Limit)  
IEC 1000-3-2; Harmonic Currents  
Taiwan BSMI, Class A (CISPR 22)  
Russia Gost Approval  
International CISPR 22, Class A Limit

### System

Form Factor 1U, rack-mountable  
Rackmount Midmount brackets or sliding rails (optional)  
Height 1.70" (43.18mm)  
Width 16.75" (425.45mm)  
Depth 22.00" (558.80mm) (20.50" without bezel)  
Weight 23 lbs. (maximum configuration)

Fans	Five 40mm variable-speed fans with tachometer output
3.5" drive bay	One standard 3.5" diskette drive or slim-line CD-ROM/diskette drives combo (optional)
Hard drive bay	Two 1" IDE or LVD/SE SCSI hard drives (SCSI requires 3 <sup>rd</sup> party controller)

**PFC Power Supply**

AC Voltage and Frequency	90135, 180-265 VAC (40/63 Hz)
DC Power Supply	125W
+5VDC	13A maximum
+5VDC Standby	1.0A maximum
+12VDC	3.0A maximum
+3.3VDC	6.0A maximum
-12VDC	0.2A maximum
Remote Voltage Sense	Senses voltage levels on server board for more precise power supply voltage regulation, leading to more efficient use of power

**Intel Order Code:  
ISP1100 (server)**

**Ai1100Spareskit (spare kit)  
Ai1100Sparemisc (cable spare kit)  
Ai1100Sparepack (spare package)**