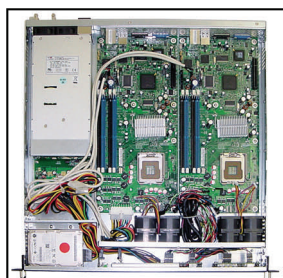




## 1U Avnet Appliance AVDPT100

Avnet's pre-engineered appliance solutions composed of industry standard components are designed to increase time to market and decrease design costs by offering validated server platforms that can be customized to your brand. These appliances are designed for long life cycles and high reliability.



Companies often focus much of their effort on building software products that represent their key differentiators, and less time on the hardware and logistics that do not represent a value-add that they can charge for. The rising costs for floor space, energy, labor, and materials increase development costs. The energy it takes to create the hardware component of their solution takes resources away from the core competency of building leading software.

Avnet has partnered with Intel to offer a customizable chassis solution for the Intel® Server Board S3000PT. Avnet's solutions are customizable and can be easily designed with your custom colors, logo, and packaging to create unique brand equity for your solution. Please call Avnet today to review your requirements and discover which solution is right for you.



**>> Call, click, or come in today.**

Call: 1-800-5INTEL5

Click: <http://www.acs.avnet.com/nam/appliance>

Email: [appliance@avnet.com](mailto:appliance@avnet.com)

AVNET TECHNOLOGY SOLUTIONS  
8700 South Price Road, Tempe, AZ 85284

### Processor Support:

The processors built on 90nm and 65nm process technology in the 775-land package utilize Flip-Chip Land Grid Array (FC-LGA4) package technology, and plug into a 775-land LGA socket, referred to as the Intel® LGA775 socket. **Note:** For a complete list of all supported processors, please visit the Intel® Server Board S3000PT support site located at the following URL: <http://support.intel.com/support/motherboards/server/s3000pt/>

### System Memory:

Four DIMM sockets supporting DDR2 533/667MHz DIMMs. Data bandwidth per channel of 4.2GB/s or 8.4GB/s in dual channel when using DDR2 667MHz. Support for up to two DDR2 channels for a total of four DIMMs (2 DIMMs / channel) providing up to 8-GB max memory capacity. - Support for 512-MB, 1-GB and 2-GB DRAM modules

### Board I/O Subsystem:

- Segment A: One embedded ATI® ES1000 video controller (Supports *PCI Specification, Rev 2.3*).
- Segment B: One x1 PCI Express\* resource implemented as an embedded Intel 82573V 10/100/1000 gigabit Ethernet Controller
- Segment C: One x1 PCI Express\* resource implemented as an embedded Intel 82573E 10/100/1000 gigabit Ethernet Controller
- Segment D: One x8 PCI Express\* resource implemented as a riser slot supporting single x1/x4/x8 PCI Express\* add-in cards through a riser
  - Serial ATA host controller
  - Two independent SATA ports support data transfer rates up to 3.0 Gb/s (300MB/s) per port
  - Universal Serial Bus 2.0 (USB)
  - PCI-E x8 riser slot
- BIOS Flash(SPI) U SATA port 2

### RoHS Compliance:

Compliance is based on declaration that materials banned in the RoHS Directive are either (1) below all applicable substance threshold limits or (2) an approved/pending RoHS exemption applies. **Note:** RoHS implementing details are not fully defined and may change. Threshold limits and banned substances are noted below. Quantity limit of 0.1% by mass (1000 PPM) for:

- o Lead
  - o Mercury
  - o Hexavalent Chromium
  - o Polybrominated Biphenyls Diphenyl Ethers (PBDE)
- Quantity limit of 0.01% by mass (100 PPM) for Cadmium



Authorized Distributor



AIC  
Delivering Tomorrow's Solutions

### Chassis Features:

Accommodates 2 Intel® Server Board S3000PT motherboards  
Power on/off and LEDs for HDD & LAN  
Rear access USB and LAN  
Two internal 2.5-inch HDD supported  
1 Drive Per System Board  
1U form factor power supply

### Dimensions:

Inches : 19 x 18 x 1.75 (W x D x H)

### Maximum Ratings:

Operating Temperature 0°C to 55 °C  
Storage Temperature -40 °C to +70 °C  
Voltage on any signal with respect to ground -0.3 V to Vdd + 0.3V 3.3 V  
Supply Voltage with Respect to ground -0.3 V to 3.63 V 5 V  
Voltage with Respect to ground -0.3

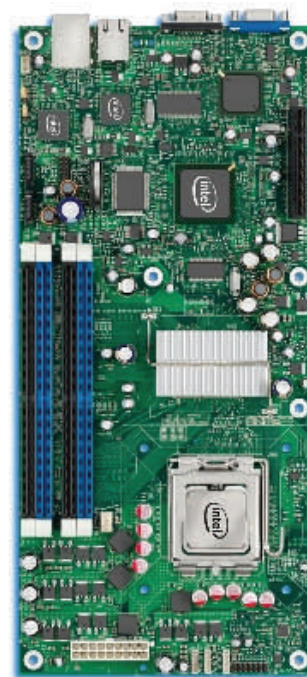
### Board MTBF Results:

For the Intel® Server Board S3000PT, the MTBF was measured at 20K hours at 40 degrees Centigrade

### Safety Compliance:

The Intel® Server Board S3000PT complies with the following safety requirements:

- UL60950 – CSA 60950(USA / Canada)
- EN60950 (Europe)
- IEC60950 (International)
- CB Certificate and Report, IEC60950 (report to include all country national deviations)
- CE - Low Voltage Directive 73/23/EEE (Europe)



Intel Server Board S3000PT