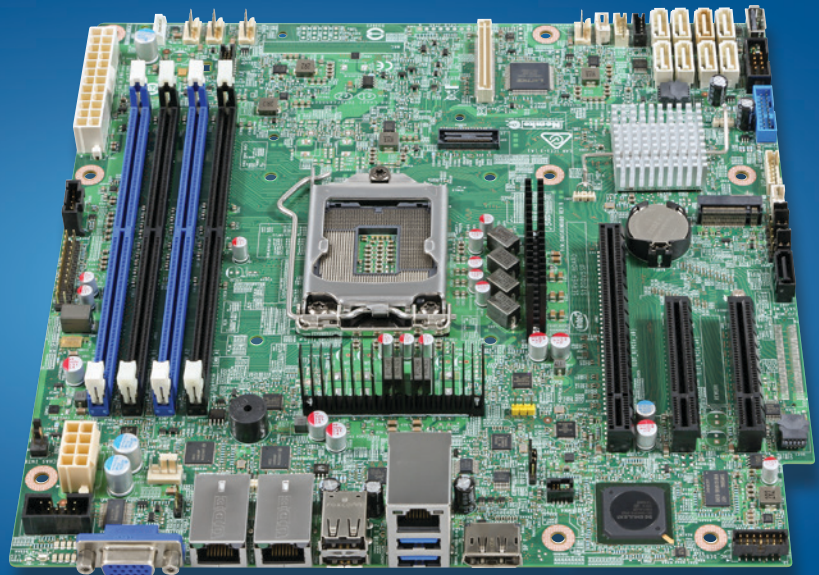(intel®)

RELIABLE PERFORMANCE. EASY INTEGRATION.

Intel® Server Board S1200SP Product Family

A microATX form factor family with real server reliability, availability and serviceability–accessible for any budget

Small businesses have the same needs as large scale companies in terms of cost-effective, reliable performance- just on a smaller scale. The Intel® Server Board S1200SP product family is designed to maximize the power of the Intel® Xeon® processor E3 v5 product family and Intel® C230 series chipset with PCIe Gen3, USB3, SATA 6G and Intel® Node Manager. Practical management features with just the right set of options makes this pedestal system affordable today, and scalable tomorrow.

Reliable performance

- Supports one Intel® Xeon® processor E3 v5 TDP 80W
- Supports DDR4 UDIMM ECC 2133MT/S
- Intel® RSTe 4 RAID Technology and Intel® Embedded Server RAID Technology II
- 460-W Cold Redundant Power Supplies inside Intel® Server Chassis P4000XXSFDR

Affordable management and storage

- IPMI* 2.0 and integrated BMC
- Dedicated Management NIC port onboard
- Optional Intel® Remote Management Module
- Optional Intel® Integrated RAID Module and M.2 SSD
- Optional 12Gb/6Gb backplanes

Easy Integration

- Standard microATX board form factor
- Compatible with Intel® pedestal chassis or 3rd party options
- Accessories and Spares to support easy upgrade and maintenance

(intel SERVER BOARD inside™)   (intel XEON® inside™)

INTEL® SERVER BOARD S1200SP SPECIFICATIONS

Server Board Specification	S1200SPL	S1200SPS
On Board LAN	2x 1GbE (i210)	2x 1GbE (i210)
Board Dimensions	microATX 9.6" x 9.6"	microATX 9.6" x 9.6"
CPU	Single Intel® Xeon® processor E3-1200 v5, up to 80W TDP	Single Intel® Xeon® processor E3-1200 v5, up to 80W TDP
Socket	Socket-H4 LGA1151	Socket-H4 LGA1151
Chipset	Intel® C236 chipset	Intel® C232 chipset
Memory Type	DDR4 UDIMM ECC at 2133MT/s maximum	DDR4 UDIMM ECC at 2133MT/s maximum
Memory Capacity	4 DIMMs, 64GB total	4 DIMMs, 64GB total

External I/O Connectors	S1200SPL	S1200SPS
USB	Two USB 2.0 and two USB 3.0 ports on back panel	Two USB 2.0 and two USB 3.0 ports on back panel
Ethernet	Dual RJ45, supporting 1GbE Single RJ45 – Dedicated 1GbE server management port	Dual RJ45, supporting 1GbE
Video	DB-15 VGA connector (BMC graphics) Display Port (GT2 graphics)	DB-15 VGA connector (BMC graphics)

Internal I/O Connectors and Headers	S1200SPL	S1200SPS
USB	One Type A USB 2.0 connector One 2x5 pin header providing front panel support for up to two USB 2.0 ports One 2x10 pin connector providing front panel support for up to two USB2.0/3.0 ports	One Type A USB 2.0 connector One 2x5 pin header providing front panel support for up to two USB 2.0 port
Serial Port	One DH-10 Serial Port connector	One DH-10 Serial Port connector
SSI Front Panel	One 2x12 pin SSI front panel header	One 2x12 pin SSI front panel header
SATA	Eight SATA3 7-pin SATA connectors	Six SATA3 7-pin SATA connectors
SATADOM	SATA 4 connector for Apacer* SATADOM	SATA 4 connector for Apacer* SATADOM
TPM	One 2x7 pin connector for TPM 1.2 module	None
Intel® Remote Management Module 4 (Intel® RMM4)	One 2x4 pin connector for Intel RMM4 key (AXXRMM4LITE), KVM and remote media redirection	None

Expansion Type	S1200SPL	S1200SPS
I/O Modules	One proprietary slot for an Intel® Integrated RAID Module	None
M.2	One M.2 connector, 22x42mm	None

For product specifications visit: ark.intel.com

INTEL® SERVER CHASSIS SPECIFICATIONS

4U Specifications	P4000XXSFDR	P4304XXSFCN	P4304XXSHCN
Server Board	S1200SPL andS1200SPS, server board purchased separately		
Dimensions	17.24 in (438 mm) x 6.81 in (173mm) x 22.05 in (560 mm) (Height X Width X Depth)		
PSUs per chassis	Two 460W, cold redundant	One 365W, fixed	One 365W, fixed
Fans	One PCIe* zone, one rear system fan	One rear system fan	One rear system fan
Storage	4x3.5" fixed drive trays	4x3.5" fixed drive trays	4x3.5" hot-swap backplane

STORAGE OPTIONS WITH INTEL® SERVER CHASSIS P4000XXSFDR

Storage Options	Size	# of Drives	Type
Default	3.5"	Four (4)	Fixed SATA drives
Upgrade option 1	3.5"	Four (4)	Hot-swap 6Gbps SATA drives (FUP4X35HSDK)
Upgrade option 2	3.5"	Eight (8)	Hot-swap 6Gbps SATA drives (FUP8X35HSDK)
Upgrade option 3	3.5"	Four (4)	Hot-swap 12Gbps SAS drives (FUP4X35S3HSDK)
Upgrade option 4	3.5"	Eight (8)	Hot-swap 12Gbps SAS drives (2x FUP4X35S3HSDK)
SATA DOM	SATA DOM	One	Support one internal SATA Disk-on-Modules mounted directly on the onboard SATA 4 port. Validated with Apacer* models
SAS Support	NA	NA	Optional SAS ROC via Intel® Integrated RAID module connector, required to support SAS drives

ORDER CODES: SERVER BOARD AND CHASSIS

Order Code	Type	Description
DBS1200SPL	Board	Intel Server Board S1200SPL, Disti 5 pack
DBS1200SPS	Board	Intel Server Board S1200SPS, Disti 5 pack
P4000XXSFDR	Chassis	Intel® Server Chassis P4000XXSFDR, pedestal chassis with 4 x 3.5 fixed hard drive trays, 2 x 460W cold redundant power supplies
P4304XXSFCN	Chassis	Intel Server Chassis P4304XXSFCN, pedestal chassis with 4x3.5 fixed hard drive trays, one 365W fixed power supply
P4304XXSHCN	Chassis	Intel Server Chassis P4304XXSHCN, pedestal chassis with 4x3.5 hot-swappable hard drive backplane, one 365W fixed power supply

See Configuration Guide for Accessory Kit and Spare Order Codes

ORDER CODES: 12GBPS SAS 3.0 INTEL® INTEGRATED RAID MODULES

Order Code	Description
RMS3CC080	8 port, Intelligent Hardware RAID, LSI3108 ROC, RAID 0, 1, 10, 5, 50, 6, 60
RMS3CC040	4 port, Intelligent Hardware RAID, LSI3108 ROC, RAID 0, 1, 10, 5, 50, 6, 60
RMS3HC080	8 port, Mid-Tier RAID, LSI3008 IOC, JBOD & RAID 0, 1, 10, Hybrid 5/50

For additional RAID modules and add-in-cards, visit www.intel.com/go/RAID

For more information on the Intel® server solutions visit: intelserveredge.com
For more information on Intel® Server Products visit: intel.com/intelserversystems
For product specifications visit: ark.intel.com