

Intel® Server Board S2600COE

SPECIFICATIONS

Essentials

COMPATIBLE PRODUCTS

ORDERING / SPECS / STEPPINGS

Specifications

Essentials

Status	Launched
Launch Date	Q1'12
Expected Discontinuance	Q1'17
Limited 3-year Warranty	Yes
Extended Warranty Available for Purchase (Select Countries)	Yes
On-Site Repair Available for Purchase (Select Countries)	Yes
# of QPI Links	2
Board Form Factor	SSI EEB 12" x 13"
Chassis Form Factor	Pedestal
Socket	Socket R
Integrated Systems Available	No
Integrated BMC with IPMI	IPMI 2.0
Rack-Friendly Board	Yes
Embedded Options Available	Yes
Supplemental SKU	No
Max TDP	150 W
Included Items	Intel Server Board S2600COE and attention document. Below items are included in Disti 5 Pack only: I/O shield, cables, configuration labels, Intel® Server Deployment & Management DVD, Quick Start User's Guide.
Recommended Customer Price	
Description	Intel® Server Board S2600COE, Extreme Server SKU supporting two E5-2600 CPUs up to 150W, 16 DIMMs with four 1Gb Ethernet ports and Firewire
Target Market	Embedded

Memory Specifications

Max Memory Size (dependent on memory type)	512 GB
Memory Types	DDR3 ECC UDIMM 1600, RDIMM 1600, LRDIMM 1333
# of Memory Channels	8
Max Memory Bandwidth	819.2 GB/s
Physical Address Extensions	46-bit
# of DIMMs	16
ECC Memory Supported	Yes

Graphics Specifications

Integrated Graphics	Yes
Graphics Output	15-pin VGA
Intel® Clear Video Technology	No
Dual Display Capable	No
Discrete Graphics	Supported

Expansion Options

PCI Express Revision	3
# of PCI Express Lanes	84
PCIe x8 Gen 3	1
PCIe x16 Gen 3	4
PCIe x4 Gen 2.x	1

I/O Specifications

USB Revision	USB 2.0
# of USB Ports	5
USB 2.0 Configuration (Back + Internal)	4
# of SATA Ports	10
RAID Configuration	Up to SW Raid 5 (LSI + RSTE)
# of Serial Ports	2
# of LAN Ports	4
Integrated LAN	4x 1GbE
Firewire	1394b
Embedded USB (eUSB) Solid State Drive Option	Yes
Integrated SAS Ports	8

Package Specifications

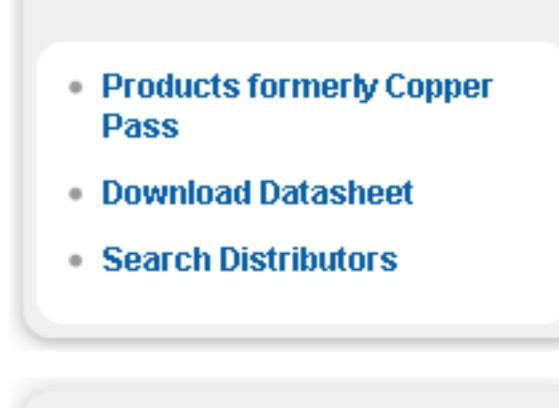
Max CPU Configuration	2
Energy Star	Yes
Low Halogen Options Available	See MDDS

Advanced Technologies

Intel® Trusted Execution Technology	Yes
AES New Instructions	Yes
Intel® vPro Technology	No
Intel® Active Management Technology	No
Intel® AMT Version	False
Intel® Remote Wake Technology	No
Intel® Remote PC Assist Technology	No
Intel® Remote Management Module Support	Yes, optional
Intel® Intelligent Power Node Manager	Yes
Intel® CIRA Technology	No
Intel® Anti-Theft Technology	No
TPM	Yes
Intel® TPM Version	Intel® TPM Version 2.0
Intel® Quick Resume Technology	No
Intel® Quiet System Technology	No
Intel® HD Audio Technology	No
Intel® AC97 Technology	No
Intel® Matrix Storage Technology	Yes
Intel® Fast Memory Access	Yes
Intel® Flex Memory Access	Yes
Intel® I/O Acceleration Technology	True

COMPARE PRODUCTS

- [Add to Compare](#)
- [Compare Now \(0\)](#)



- [Visit the Embedded Design Center >](#)

QUICK LINKS

- [Products formerly Copper Pass](#)
- [Download Datasheet](#)
- [Search Distributors](#)

ADDITIONAL INFORMATION

PCN/MDDS INFORMATION

918728: PCN

918727: PCN

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers and are subject to change without notice. Taxes and shipping, etc. not included. Please work with your appropriate Intel representative to obtain a formal price quotation.

"Intel classifications" consist of Export Control Classification Numbers (ECCN) and Harmonized Tariff Schedule (HTS) numbers. Any use, made of or sale to, these classifications are without recourse to Intel and shall not be construed as a representation or warranty regarding the proper ECCN or HTS. Your company may be the exporter of record, and as such, classifications are without recourse to Intel and correct classification of any item at the time of export.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See <http://www.intel.com/content/www/us/en/processors/processor-numbers.html> for details.

Max Turbo Frequency refers to the maximum single-core frequency that can be achieved with Intel® Turbo Boost Technology, which requires a PC with a processor with Intel® Turbo Boost Technology and a system board with Intel® Turbo Boost Technology. Intel® Turbo Boost Technology performance varies depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Turbo Boost Technology. See www.intel.com/technology/turbo.html for more information.

Hyper-Threading Technology (HT Technology) requires a computer system with an Intel® processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See <http://www.intel.com/content/www/us/en/architecture-and-technology/ht-technology.html?wapkw=hyper-threading> for more information including details on which processors support HT Technology.

64-bit computing (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Consult with your system vendor for more information.

Max Turbo Frequency refers to the maximum single-core frequency that can be achieved with Intel® Turbo Boost Technology, which requires a PC with a processor with Intel® Turbo Boost Technology and a system board with Intel® Turbo Boost Technology. Intel® Turbo Boost Technology performance varies depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Turbo Boost Technology. See www.intel.com/technology/turbo.html for more information.

Graphics output, multiple displays, ECC memory, specific PCI Express configurations, Intel® vPro™ Technology, Intel® Trusted Execution Technology, and Intel® Virtualization Technology for Directed I/O (VT-d) may not be available on all computing systems. Please refer to your system, motherboard or chipset specifications for compatibility.

Enabling Execute Disable Bit functionality requires a PC with a processor with Execute Disable Bit capability and a supporting operating system. Check with your PC manufacturer on whether your system delivers Execute Disable Bit functionality.

Intel® Virtualization Technology requires a computer system with a processor, chipset, BIOS, virtual machine monitor (VMM) and for some uses, certain platform software, enabled for it. Functionality, performance or other benefit will vary depending on hardware and software configurations. Intel® Virtualization Technology-enabled VMM applications are currently in development.

System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

All information provided is subject to change at any time, without notice. Intel may make changes to manufacturing life cycle, specifications, and product descriptions at any time, without notice. The information herein is provided "as-is" and Intel does not make any representations or warranties whatsoever regarding accuracy of the information, nor on the product features, availability, functionality, or compatibility of the products listed. Please contact system vendor for more information on specific products or systems.

Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet IEC 61249-2-21 requirements, and the PCB substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-6300QM/6265QM, i7-2670QM/2675QM, i5-2430M/2435M, i5-2410M/2415M. Please contact OEM for the BIOS that includes the latest Processor Configuration update.

Intel® Trusted Execution Technology requires a computer system with an Intel® processor supporting Intel® Trusted Execution Technology, and an Intel® Trusted Execution Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Trusted Execution Technology.

Intel® Active Management Technology (AMT) requires a computer system with an Intel® processor supporting Intel® Active Management Technology, and an Intel® Active Management Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Active Management Technology.

Intel® Remote Wake Technology (RWT) requires a computer system with an Intel® processor supporting Intel® Remote Wake Technology, and an Intel® Remote Wake Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Remote Wake Technology.

Intel® Remote PC Assist Technology (RPA) requires a computer system with an Intel® processor supporting Intel® Remote PC Assist Technology, and an Intel® Remote PC Assist Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Remote PC Assist Technology.

Intel® Intelligent Power Node Manager (IPNM) requires a computer system with an Intel® processor supporting Intel® Intelligent Power Node Manager, and an Intel® Intelligent Power Node Manager enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Intelligent Power Node Manager.

Intel® CIRA Technology requires a computer system with an Intel® processor supporting Intel® CIRA Technology, and an Intel® CIRA Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® CIRA Technology.

Intel® Anti-Theft Technology requires a computer system with an Intel® processor supporting Intel® Anti-Theft Technology, and an Intel® Anti-Theft Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Anti-Theft Technology.

TPM (Trusted Platform Module) requires a computer system with an Intel® processor supporting Intel® Trusted Platform Module, and an Intel® Trusted Platform Module enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Trusted Platform Module.

Intel® Quick Resume Technology requires a computer system with an Intel® processor supporting Intel® Quick Resume Technology, and an Intel® Quick Resume Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Quick Resume Technology.

Intel® Quiet System Technology requires a computer system with an Intel® processor supporting Intel® Quiet System Technology, and an Intel® Quiet System Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Quiet System Technology.

Intel® HD Audio Technology requires a computer system with an Intel® processor supporting Intel® HD Audio Technology, and an Intel® HD Audio Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® HD Audio Technology.

Intel® AC97 Technology requires a computer system with an Intel® processor supporting Intel® AC97 Technology, and an Intel® AC97 Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® AC97 Technology.

Intel® Matrix Storage Technology requires a computer system with an Intel® processor supporting Intel® Matrix Storage Technology, and an Intel® Matrix Storage Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Matrix Storage Technology.

Intel® Fast Memory Access requires a computer system with an Intel® processor supporting Intel® Fast Memory Access, and an Intel® Fast Memory Access enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Fast Memory Access.

Intel® Flex Memory Access requires a computer system with an Intel® processor supporting Intel® Flex Memory Access, and an Intel® Flex Memory Access enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® Flex Memory Access.

Intel® I/O Acceleration Technology requires a computer system with an Intel® processor supporting Intel® I/O Acceleration Technology, and an Intel® I/O Acceleration Technology enabled chipset, BIOS and operating system. Performance will vary depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel® I/O Acceleration Technology.

Intel® Virtualization Technology requires a computer system with a processor, chipset, BIOS, virtual machine monitor (VMM) and for some uses, certain platform software, enabled for it. Functionality, performance or other benefit will vary depending on hardware and software configurations. Intel® Virtualization Technology-enabled VMM applications are currently in development.

System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.</p