

Intel DBS2600CW2R server/workstation motherboard (DBS2600CW2R)

Intel Server Board S2600CW2R



Price details:

Price excl. VAT: 411.92 €

Eco fees: 0.37 €

VAT 21 %: 86.58 €

Product details:

Product code: DBS2600CW2R

EAN: 5032037081801

Manufacturer: Intel

498.87 €

* VAT included

PDF generated on: 2 March, 2018



A general purpose server board supporting two Intel® Xeon® processor E5-2600 V3 family up to 145W, 16 DIMMs, and two 1-Gb ethernet ports.

Intel® Virtualization Technology for Directed I/O (VT-d) continues from the existing support for IA-32 (VT-x) and Itanium® processor (VT-i) virtualization adding new support for I/O-device virtualization. Intel VT-d can help end users improve security and reliability of the systems and also improve performance of I/O devices in virtualized environments.

The Intel® Remote Management Module (Intel® RMM) allows you to securely gain access and control servers and other devices from any machine on the network. Remote access includes remote management capability, including power control, KVM, and media redirection, with a dedicated management network interface card (NIC).

Intel® Intelligent Power Node Manager is a platform resident technology that enforces power and thermal policies for the platform. It enables data center power and thermal management by exposing an external interface to management software through which platform policies can be specified. It also enables specific data center power management usage models such as power limiting.

Intel® Rapid Storage Technology enterprise (Intel® RSTe) provides performance and reliability for supported systems equipped with Serial ATA (SATA) devices, Serial Attached SCSI (SAS) devices, and/or solid state drives (SSDs) to enable an optimal enterprise storage solution.

Intel® Fast Memory Access is an updated Graphics Memory Controller Hub (GMCH) backbone architecture that improves system performance by optimizing the use of available memory bandwidth and reducing the latency of the memory accesses.

Main specifications:

Design

Motherboard form factor:	SSI EEB
Component for:	Server
Chassis type:	Rack or Pedestal
Product family:	Dual-socket server board
Product series:	Intel S2600CW
Product codename:	Cottonwood Pass

Processor

Processor manufacturer:	Intel
Processor socket:	LGA 2011 (Socket R)
Number of processors supported:	2
Processor number of cores supported:	2,4,6,8
Number of QPI links:	2

Intel Xeon series:	E5-2600
Thermal power:	145 W
CPU configuration (max):	2

Memory

Supported memory types:	DDR4-SDRAM,LPDDR3-SDRAM
Supported memory clock speeds:	1600,1866,2133 MHz
Number of DIMM slots:	16
Maximum internal memory:	1024 GB
ECC:	Y
Memory channels:	Octa
Supported RDIMM clock speeds:	1600,1866,2133 MHz
Supported LRDIMM clock speeds:	1600,1866,2133 MHz
Maximum RDIMM memory:	512 GB
Maximum UDIMM memory:	512 GB
Memory voltage:	1.2 V

Storage controllers

Hard drive interface:	Serial ATA
RAID levels:	0,1,10
RAID support:	Y

Internal I/O

USB 2.0 connectors:	1
Number of chassis fan connectors:	7
Serial port headers:	1
TPM connector:	Y
Power fan connector:	Y
Integrated SAS ports:	10
USB 3.0 (3.1 Gen 1) connectors:	2

Back panel I/O ports

USB 2.0 ports quantity:	2
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2
VGA (D-Sub) ports quantity:	1
Ethernet LAN (RJ-45) ports:	2
Serial ports quantity:	1

Performance

Motherboard chipset:	Intel C612
Trusted Platform Module (TPM):	Y
Trusted Platform Module (TPM) version:	1.2
Physical Address Extension (PAE):	Y
Integrated systems available:	N
Rack-Friendly board:	Y
Integrated BMC with IPMI:	Y
InfiniBand:	N
Embedded options available:	N
Embedded USB (eUSB) SSD option:	Y
Low halogen options available:	Y
Motherboard ARK ID:	88278

Processor special features

Intel Fast Memory Access:	Y
Intel Flex Memory Access:	Y
Intel I/O Acceleration Technology:	Y
Intel Advanced Management Technology:	Y
Intel® AES New Instructions (Intel® AES-NI):	Y
Intel Intelligent Power Node Manager:	Y
Intel Trusted Execution Technology:	Y
Intel Quiet System Technology (QST):	N
Intel Quick Resume Technology:	N
Intel Server Management Software:	Y
Intel Remote Management Module Support:	Y
Intel® High Definition Audio (Intel® HD Audio):	N
Intel® Matrix Storage Technology (Intel® MST):	N
Intel Quiet Thermal Technology:	Y
Intel Efficient Power Technology:	Y
Intel Build Assurance Technology:	Y
Intel Server Customization Technology:	Y

Intel Rapid Storage Technology enterprise:	Y
Expansion slots	
PCI Express x8 (Gen 3.x) slots:	1
PCI Express x16 (Gen 3.x) slots:	4
PCI Express x4 (Gen 2.x) slots:	1
PCI Express slots version:	3.0
Networking	
Ethernet LAN:	Y
Wi-Fi:	N
Ethernet interface type:	10 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet
Graphics	
On-board graphics adapter:	Y
On-board graphics adapter memory:	16 MB
Discrete graphics support:	Y
Graphics output:	VGA
Packaging content	
Quick installation guide:	Y
Software	
Management software:	Y
Technical details	
Intel Rapid Storage Technology:	N
Form factor:	SSI EEB 12" x 13"
Halogen free:	N
Integrated LAN:	Y
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Maximum number of PCI Express lanes:	84
Packaging content:	(1) Intel® Server Board S2600CW2R (1) I/O shield (2) SATA cables (1) Quick Start User's Guide (1) Attention document and configuration labels. Note: the OEM 10 Pack does not ship with included items.
Physical Address Extension (PAE):	46 bit
Product type:	12
Thermal Design Power (TDP):	145 W
USB ports quantity:	7
USB version:	2.0/3.0 (3.1 Gen 1)
ECC supported by processor:	Y
Memory bandwidth supported by processor (max):	136 GB/s
Total number of SATA connectors:	10
Processor family:	Dual-socket server board
Maximum internal memory supported by processor:	1024 GB
Status:	Launched

*PLEASE NOTE: Every effort has been made to ensure the accuracy of all information contained herein. Lasystems makes no warranty expressed or implied with respect to accuracy of the information, including price, editorials or specifications. Lasystems or its suppliers shall not be liable for incidental, consequential or special damages arising from, or as a result of, any electronic transmission or the accuracy of the information contained herein, even if Lasystems has been advised of the possibility of such damages. Product and manufacturer names are used only for the purpose of identification.