



USA (English)



Sign In



- Support



Search Intel.com



Sign In

Username

Your username is missing

Password

Your password is missing

By signing in, you agree to our [Terms of Service](#).

Sign In

Remember me

Forgot your Intel [username](#) or [password](#)?

Do you work for Intel? [Sign in here](#).

[Sign In](#) to access restricted content.

Sign Out



Intel® Xeon® Processor E5-2630 v2

15M Cache, 2.60 GHz



Add to Compare

Specifications

Essentials

Performance

Supplemental Information

Memory Specifications

Expansion Options

Package Specifications

Advanced Technologies

Security & Reliability

Ordering and

Essentials



Export specifications

Product Collection

[Intel® Xeon® Processor E5 v2 Family](#)

Code Name

[Products formerly Ivy Bridge EP](#)

Vertical Segment

Server

Processor Number

E5-2630V2

Status

Launched

Launch Date

Q3'13

Lithography










22 nm

Use Conditions


Server/Enterprise



Performance

# of Cores 	6
# of Threads 	12
Processor Base Frequency 	2.60 GHz
Max Turbo Frequency 	3.10 GHz
Cache 	15 MB SmartCache
Bus Speed 	7.2 GT/s QPI
# of QPI Links 	2
TDP 	80 W
VID Voltage Range 	0.65–1.30V




Supplemental Information

Embedded Options Available 	Yes
Datasheet	View now
Additional Information URL	View now



Memory Specifications

Max Memory Size (dependent on memory type) 	768 GB
Memory Types 	DDR3 800/1066/1333/1600
Max # of Memory Channels 	4
Max Memory Bandwidth 	51.2 GB/s
Physical Address Extensions 	46-bit
ECC Memory Supported ‡ 	Yes



Expansion Options

Scalability	2S Only
PCI Express Revision 	3.0
PCI Express Configurations ‡ 	x4, x8, x16
Max # of PCI Express Lanes 	40

Package Specifications

Sockets Supported 	FCLGA2011
Max CPU Configuration	2
T _{CASE} 	71°C
Package Size	52.5mm x 45mm
Low Halogen Options Available	No

Advanced Technologies

Intel® Turbo Boost Technology ‡ 	2.0
Intel® vPro™ Platform Eligibility ‡ 	Yes

Intel® Hyper-Threading Technology ‡ ?	Yes
Intel® Virtualization Technology (VT-x) ‡ ?	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡ ?	Yes
Intel® VT-x with Extended Page Tables (EPT) ‡ ?	Yes
Intel® TSX-NI ?	No
Intel® 64 ‡ ?	Yes
Instruction Set ?	64-bit
Instruction Set Extensions ?	Intel® AVX
Idle States ?	Yes
Enhanced Intel SpeedStep® Technology ?	Yes
Intel® Demand Based Switching ?	Yes
Thermal Monitoring Technologies ?	Yes
Intel® Flex Memory Access ?	No
Intel® Identity Protection Technology ‡ ?	No

Security & Reliability

Intel® AES New Instructions ?	Yes
Secure Key ?	Yes
Intel® OS Guard	Yes
Intel® Trusted Execution Technology ‡ ?	Yes
Execute Disable Bit ‡ ?	Yes

More support options for Intel® Xeon® Processor E5-2630 v2 (15M Cache, 2.60 GHz)



Product Support



Downloads and Software



Support Community



Warranty and Replacement



Need more help?

Contact support



Give Feedback

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.

Intel classifications are for informational purposes only and consist of Export Control Classification Numbers (ECCN) and Harmonized Tariff Schedule (HTS) numbers. Any use made of Intel classifications are without recourse to Intel and shall not be construed as a representation or warranty regarding the proper ECCN or HTS. Your company as an importer and/or exporter is responsible for determining the correct classification of your transaction.

Refer to Datasheet for formal definitions of product properties and features.

Downloaded from Arrow.com, any use of this information in computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the

system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See www.intel.com/technology/turboboost/ for more information.

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

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

See <http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/hyper-threading-technology.html?wapkw=hyper+threading> for more information including details on which processors support Intel® HT Technology.

Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture-enabled BIOS.

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.

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM, i5-2430M/i5-2435M, i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.

Check <http://ipt.intel.com/> for systems that support Intel® Identity Protection Technology (Intel® IPT).

- [Company Information](#)
- [Our Commitment](#)
- [Communities](#)
- [Investor Relations](#)
- [Contact Us](#)
- [Newsroom](#)
- [Jobs](#)

- 
- 
- 
- 
- 

- [© Intel Corporation](#)
- [Terms of Use](#)
- [*Trademarks](#)
- [Privacy](#)
- [Cookies](#)
- [Supply Chain Transparency](#)
- [Site Map](#)