

ARK Compare Intel® Products	
07/26/2022 02:27:40 PM	
Intel® Xeon® Processor E5-2670	
Essentials	
Product Collection	Intel® Xeon® Processor E5 Family
Vertical Segment	Server
Processor Number	E5-2670
Status	Discontinued
Launch Date	Q1'12
Expected Discontinuance	Q2'15
Lithography	32 nm
Use Conditions	
Recommended Customer Price	\$1552.00 - \$1556.00
CPU Specifications	
Total Cores	8
Total Threads	16
Max Turbo Frequency	3.30 GHz
Intel® Turbo Boost Technology 2.0 Frequency‡	3.30 GHz
Processor Base Frequency	2.60 GHz
Cache	20 MB Intel® Smart Cache
Bus Speed	8 GT/s
# of QPI Links	2
TDP	115 W
Supplemental Information	
Embedded Options Available	No
Datasheet	View now
Memory Specifications	
Max Memory Size (dependent on memory type)	384 GB
Memory Types	DDR3 800/1066/1333/1600
Max # of Memory Channels	4
Max Memory Bandwidth	51.2 GB/s
ECC Memory Supported ‡	Yes
Physical Address Extensions	
Expansion Options	
Scalability	2S Only
PCI Express Revision	3.0
Max # of PCI Express Lanes	40
PCI Express Configurations ‡	
Package Specifications	
Sockets Supported	FCLGA2011
Max CPU Configuration	2
TCASE	80.0°C
Package Size	52.5mm x 45.0mm
Advanced Technologies	
Intel® Turbo Boost Technology ‡	2.0
Intel® Hyper-Threading Technology ‡	Yes

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
Intel® TSX-NI	
Security & Reliability	
Intel vPro® Platform Eligibility ‡	Yes
Intel® AES New Instructions	Yes
Intel® Trusted Execution Technology ‡	Yes
Execute Disable Bit ‡	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
Secure Key	
Intel® OS Guard	

Intel® Xeon® Processor E5-2609 v2
Intel® Xeon® Processor E5 v2 Family
Server
E5-2609V2
Discontinued
Q3'13
22 nm
Server/Enterprise
\$294.00 - \$299.00
4
4
2.50 GHz
2.50 GHz
10 MB Intel® Smart Cache
6.4 GT/s
2
80 W
Yes
View now
768 GB
DDR3 800/1066/1333
4
42.6 GB/s
Yes
46-bit
2S Only
3.0
40
x4, x8, x16
FCLGA2011
2
71°C
52.5mm x 45mm
No
No

