

ARK Compare Intel® Products	
06/22/2021 16:48	
Intel® Xeon® Processor E5-2690 v2 (25M Cache, 3.00 GHz)	
Essentials	
Intel® Xeon® Processor E5 v2 Family	Product Collection
Products formerly Ivy Bridge EP	Code Name
Server	Vertical Segment
E5-2690V2	Processor Number
Discontinued	Status
Q3'13	Launch Date
22 nm	Lithography
\$2057.00 - \$2061.00	Recommended Customer Price
CPU Specifications	
	10 # of Cores
	20 # of Threads
3.00 GHz	Processor Base Frequency
3.60 GHz	Max Turbo Frequency
25 MB Intel® Smart Cache	Cache
8 GT/s	Bus Speed
	2 # of QPI Links
3.60 GHz	Intel® Turbo Boost Technology 2.0 Frequency ‡
130 W	TDP
0.65V–1.30V	VID Voltage Range
Supplemental Information	
No	Embedded Options Available
View now	Datasheet
View now	Additional Information
Memory Specifications	
768 GB	Max Memory Size (dependent on memory type)
DDR3 800/1066/1333/1600/1866	Memory Types
	4 Max # of Memory Channels
59.7 GB/s	Max Memory Bandwidth
46-bit	Physical Address Extensions
Yes	ECC Memory Supported ‡
Expansion Options	
2S	Scalability
	3 PCI Express Revision
x4, x8, x16	PCI Express Configurations ‡
	40 Max # of PCI Express Lanes
Package Specifications	
FCLGA2011	Sockets Supported
	2 Max CPU Configuration
88°C	TCASE
52.5mm x 45mm	Package Size
Advanced Technologies	
	2 Intel® Turbo Boost Technology ‡
Yes	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) ‡
No	Intel® Transactional Synchronization Extensions
Yes	Intel® 64 ‡
64-bit	Instruction Set
Intel® AVX	Instruction Set Extensions
Yes	Idle States
Yes	Enhanced Intel SpeedStep® Technology
Yes	Intel® Demand Based Switching
Yes	Thermal Monitoring Technologies
No	Intel® Flex Memory Access
No	Intel® Identity Protection Technology ‡
	Security & Reliability
Yes	Intel® AES New Instructions
Yes	Secure Key
Yes	Intel® OS Guard
Yes	Intel® Trusted Execution Technology ‡
Yes	Execute Disable Bit ‡