

<b>ARK   Compare Intel® Products</b>	
06/23/2021 09:17	
	<b>Intel® Xeon® Processor E5-2697 v2 (30M Cache, 2.70 GHz)</b>
<b>Essentials</b>	
Product Collection	Intel® Xeon® Processor E5 v2 Family
Code Name	Products formerly Ivy Bridge EP
Vertical Segment	Server
Processor Number	E5-2697V2
Status	Discontinued
Launch Date	Q3'13
Lithography	22 nm
Recommended Customer Price	\$2614.00 - \$2618.00
<b>CPU Specifications</b>	
# of Cores	12
# of Threads	24
Processor Base Frequency	2.70 GHz
Max Turbo Frequency	3.50 GHz
Cache	30 MB Intel® Smart Cache
Bus Speed	8 GT/s
# of QPI Links	2
Intel® Turbo Boost Technology 2.0 Frequency‡	3.50 GHz
TDP	130 W
VID Voltage Range	0.65–1.30V
<b>Supplemental Information</b>	
Embedded Options Available	No
Datasheet	<a href="#">View now</a>
Additional Information	<a href="#">View now</a>
<b>Memory Specifications</b>	
Max Memory Size (dependent on memory type)	768 GB
Memory Types	DDR3 800/1066/1333/1600/1866
Max # of Memory Channels	4
Max Memory Bandwidth	59.7 GB/s
Physical Address Extensions	46-bit
ECC Memory Supported ‡	Yes
<b>Expansion Options</b>	
Scalability	2S Only
PCI Express Revision	3
PCI Express Configurations ‡	x4, x8, x16
Max # of PCI Express Lanes	40
<b>Package Specifications</b>	
Sockets Supported	FCLGA2011
Max CPU Configuration	2
TCASE	86°C
Package Size	52.5mm x 51mm
<b>Advanced Technologies</b>	
Intel® Turbo Boost Technology ‡	2
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® Transactional Synchronization Extensions	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
<b>Security &amp; Reliability</b>	
Intel® AES New Instructions	Yes
Secure Key	Yes
Intel® OS Guard	Yes
Intel® Trusted Execution Technology ‡	Yes
Execute Disable Bit ‡	Yes