

## Intel\_UPE\_SpecificationsChart\_2024\_03\_15

UPE   Compare Intel® Products	
03/15/2024 03:19:10 PM	
	Intel® Xeon® Processor E5-2650 v2 (20M Cache- 2.60 GHz)
<b>Essentials</b>	
<b>Product Collection</b>	Intel® Xeon® Processor E5 v2 Family
<b>Code Name</b>	Products formerly Ivy Bridge EP
<b>Vertical Segment</b>	Server
<b>Processor Number</b>	E5-2650V2
<b>Lithography</b>	22 nm
<b>Recommended Customer Price</b>	\$1166.00-\$1171.00
<b>CPU Specifications</b>	
<b>Total Cores</b>	8
<b>Total Threads</b>	16
<b>Max Turbo Frequency</b>	3.40 GHz
<b>Intel® Turbo Boost Technology 2.0 Frequency†</b>	3.40 GHz
<b>Processor Base Frequency</b>	2.60 GHz
<b>Cache</b>	20 MB Intel® Smart Cache
<b>Bus Speed</b>	8 GT/s
<b># of QPI Links</b>	2
<b>TDP</b>	95 W
<b>Supplemental Information</b>	
<b>Marketing Status</b>	Discontinued
<b>Launch Date</b>	Q3'13
<b>Supply Status</b>	Discontinued
<b>Servicing Status</b>	End of Servicing Lifetime
<b>End of Servicing Updates Date</b>	Tuesday   June 30   2020
<b>Embedded Options Available</b>	No
<b>Datasheet</b>	<a href="#">View now</a>
<b>Memory Specifications</b>	
<b>Max Memory Size (dependent on memory type)</b>	768 GB
<b>Memory Types</b>	DDR3 800/1066/1333/1600/1866
<b>Max # of Memory Channels</b>	4
<b>Max Memory Bandwidth</b>	59.7 GB/s
<b>Physical Address Extensions</b>	46-bit
<b>ECC Memory Supported ‡</b>	Yes

<b>Expansion Options</b>	
<b>Scalability</b>	2S Only
<b>PCI Express Revision</b>	3.0
<b>PCI Express Configurations ‡</b>	x4   x8   x16
<b>Max # of PCI Express Lanes</b>	40
<b>Package Specifications</b>	
<b>Sockets Supported</b>	FCLGA2011
<b>Max CPU Configuration</b>	2
<b>TCASE</b>	75°C
<b>Package Size</b>	52.5mm x 51mm
<b>Advanced Technologies</b>	
<b>Intel® Turbo Boost Technology ‡</b>	2.0
<b>Intel® Hyper-Threading Technology ‡</b>	Yes
<b>Intel® Transactional Synchronization Extensions</b>	No
<b>Intel® 64 ‡</b>	Yes
<b>Instruction Set</b>	64-bit
<b>Instruction Set Extensions</b>	Intel® AVX
<b>Idle States</b>	Yes
<b>Enhanced Intel SpeedStep® Technology</b>	Yes
<b>Intel® Demand Based Switching</b>	Yes
<b>Thermal Monitoring Technologies</b>	Yes
<b>Intel® Flex Memory Access</b>	No
<b>Intel® Identity Protection Technology ‡</b>	No
<b>Security &amp; Reliability</b>	
<b>Intel vPro® Eligibility ‡</b>	Intel vPro® Platform
<b>Intel® AES New Instructions</b>	Yes
<b>Secure Key</b>	Yes
<b>Intel® OS Guard</b>	Yes
<b>Intel® Trusted Execution Technology ‡</b>	Yes
<b>Execute Disable Bit ‡</b>	Yes
<b>Intel® Virtualization Technology (VT-x) ‡</b>	Yes
<b>Intel® Virtualization Technology for Directed I/O (VT-d) ‡</b>	Yes
<b>Intel® VT-x with Extended Page Tables (EPT) ‡</b>	Yes