

Intel Xeon E5-2690V4 processor 2.6 GHz Box 35 MB Smart Cache

XEON E5-2690V4 2.60GHZ 35MB LGA2011-3 14CORES 28THREADS CPU PROCESSOR



Brand	Intel
Product Code	BX80660E52690V4
Product URL	https://www.lasystems.be/en/intel-xeon-e5-2690v4-processor-2-6-ghz-box-35-mb-smart-cache-bx80660e52690v4



Product Overview

Intel® Xeon® Processor E5-2690 v4

(35M Cache, 2.60 GHz)

Technical Specifications

Processor

Processor family	Intel® Xeon® E5 v4
Processor frequency	2.6 GHz
Processor cores	14
Processor socket	LGA 2011-v3
Component for	Server/Workstation
Processor lithography	14 nm
Box	✓
Processor model	E5-2690V4
Processor threads	28
System bus rate	9.6 GT/s
Processor operating modes	64-bit
Processor series	Intel Xeon E5-2600 v4
Processor cache	35 MB
Processor cache type	Smart Cache
Processor boost frequency	3.5 GHz
Bus type	QPI
Number of QPI links	2
Processor codename	Broadwell
Processor ARK ID	91770

Memory

Memory channels supported by processor	Quad
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Memory

Maximum internal memory supported by processor	1536 GB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	1600,1866,2133,2400 MHz
Memory bandwidth supported by processor (max)	76.8 GB/s
ECC supported by processor	✓

Graphics

On-board graphics adapter	—
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Power

Thermal Design Power (TDP)	135 W
VID Voltage Range	0 - 0 V

Features

Execute Disable Bit	✓
Idle States	✓
Thermal Monitoring Technologies	✓
Maximum number of PCI Express lanes	40
PCI Express slots version	3.0
PCI Express configurations	1x16,1x4,1x8
Supported instruction sets	AVX 2.0
Scalability	2S
Physical Address Extension (PAE)	46 bit
CPU configuration (max)	2
Embedded options available	—
Market segment	SRV

Processor special features

Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® Identity Protection Technology (Intel® IPT)	—
Intel® Turbo Boost Technology	2.0
Intel® vPro™ Technology	✓
Intel Flex Memory Access	—
Intel® AES New Instructions (Intel® AES-NI)	✓
Enhanced Intel SpeedStep Technology	✓
Intel Trusted Execution Technology	✓
Intel Enhanced Halt State	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel Demand Based Switching	✓
Intel® Secure Key	✓

Processor special features

Intel TSX-NI	✓
Intel® OS Guard	✓
Intel 64	✓
Intel Identity Protection Technology version	0.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel TSX-NI version	1.00
Conflict Free processor	✓

Operational conditions

Tcase	89 °C
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Technical details

Processor cache	35840 KB
Product type	Processor
Bus bandwidth	9.6
Bus type units	GT/s
Launch date	Q1'16
Status	Launched
Processor brand name	Intel Xeon
Last change	63903513
Product family	Intel Xeon Processor E5 v4 Family

Weight & dimensions

Processor package size	45 x 52.5 mm
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Other features

Maximum internal memory	1572864 MB
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Pictures and description of Intel Xeon E5-2690V4 processor 2.6 GHz Box 35 MB Smart Cache are for your convenience only and may not be accurate. We will ship you the item based on the product name and manufacturer number only. For more technical information please visit the manufacturer's website.