

INTEL

Procesor për Server Intel Xeon w5-3435X / 3.1GHz / 16 Core / 32 Threads / 45MB Cache / FCLGA4677 – Tray

SKU: 17019625 · EAN: 4251538817912

SPECIFIKAT TEKNIKE

116 specifikat e produktit

ATRIBUTI	VLERA
Processor	
Processor manufacturer	Intel
Processor model	w5-3435X
Processor base frequency	3.1 GHz
Processor family	Intel Xeon W
Processor cores	16
Processor socket	LGA 4677 (Socket E)
Processor threads	32
System bus rate	0 GT/s
Processor operating modes	64-bit
Performance cores	16
Processor boost frequency	4.7 GHz
Processor cache	45 MB
Processor cache type	Smart Cache
Package type	Tray
Processor base power	270 W
Maximum turbo power	324 W
Stepping	E5
Bus type	DMI4
Processor codename	Sapphire Rapids
Processor ARK ID	233421
Processor	Intel Xeon w5-3435X
Processor boost frequency (Turbo Boost Max 3.0)	4.7 GHz
Processor boost frequency (Turbo Boost 2.0)	4.5 GHz
Package size	77.5 x 56.5 mm
Memory	

Maximum internal memory supported by processor	4 TB
Memory types supported by processor	DDR4-SDRAM
Memory channels	Octa-channel
Feature	ECC
Memory types supported	DDR4-SDRAM
Memory channels	Octa-channel (8)
ECC support	Yes
Graphics	
On-board graphics card model	Not available
Discrete graphics card model	Not available
Features	
Feature	Execute Disable Bit
Market segment	Workstation
Use conditions	Workstation
Maximum number of PCI Express lanes	112
PCI Express slots version	5.0
Supported instruction sets	SSE4.1, AMX, SSE4.2, AVX 2.0, AVX-512
Scalability	1S
CPU configuration (max)	1
Direct Media Interface (DMI) Revision	4.0
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	G180729
Processor special features	
Feature	Intel® Hyper Threading Technology (Intel® HT Technology)
Intel® Turbo Boost Technology	2.0
Feature	Intel® AES New Instructions (Intel® AES-NI)
Feature	Enhanced Intel SpeedStep Technology
Feature	Intel Trusted Execution Technology
Feature	Intel® Speed Shift Technology
Intel® Turbo Boost Max Technology 3.0 frequency	4.7 GHz
Intel® Turbo Boost Technology 2.0 frequency	4.5 GHz
Feature	Intel® Transactional Synchronization Extensions
Feature	Intel® Total Memory Encryption
Feature	Intel® Control-flow Enforcement Technology (CET)
Feature	Intel® Platform Firmware Resilience Support

Feature	Intel VT-x with Extended Page Tables (EPT)
Feature	Intel® Active Management Technology (Intel® AMT)
Feature	Intel® OS Guard
Feature	Intel 64
Feature	Intel Virtualization Technology (VT-x)
Feature	Intel Virtualization Technology for Directed I/O (VT-d)
Feature	Intel Turbo Boost Max Technology 3.0
AVX-512 Fused Multiply-Add (FMA) units	2
Feature	Intel® Boot Guard
Feature	Intel® Deep Learning Boost (Intel® DL Boost) on CPU
Feature	Mode-based Execute Control (MBE)
Feature	Intel® vPro™ Platform Eligibility
Feature	Intel® Virtualization Technology with Redirect Protection (VT-rp)
Feature	Intel vPro® Enterprise Platform Eligibility
Intel® QuickAssist Technology (QAT)	0 default devices
Intel® Dynamic Load Balancer (DLB)	0 default devices
Intel® Data Streaming Accelerator (DSA)	1 default devices
Intel® In-memory Analytics Accelerator (IAA)	0 default devices
Feature	Intel® Advanced Matrix Extensions (AMX)
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512, AMX
AVX-512 FMA units	2
Intel Turbo Boost Max Technology 3.0	Yes
Intel Hyper-Threading Technology	Yes
Intel Deep Learning Boost (DL Boost)	Yes
Intel® Advanced Matrix Extensions (AMX)	Yes
Intel® Speed Shift Technology	Yes
Enhanced Intel SpeedStep Technology	Yes
Operational conditions	
Tcase	72 °C
DTS Max	98 °C
Technical details	
Launch date	Q1'23
Status	Launched
Supported memory types	DDR4-SDRAM
Memory speed (max)	4800 MHz
Package carrier	E1A

Logistics data	
Harmonized System (HS) code	8542310001
ECCN	5A992C
CCATS	G180729
HS Code	8542310001
Weight & dimensions	
Processor package size	77.5 x 56.5 mm
Other features	
Maximum internal memory	4 TB
Power	
Processor base power (TDP)	270 W
Expansion slots	
PCIe lanes (max)	112
PCIe version	5.0
DMI revision	4.0
Security	
Intel AES-NI	Yes
Intel Trusted Execution Technology	Yes
Intel VT-x	Yes
Intel VT-d	Yes
Intel VT-x with EPT	Yes
Execute Disable Bit	Yes
Intel® OS Guard	Yes
Intel® Boot Guard	Yes
Intel® Control-flow Enforcement Technology (CET)	Yes
Mode-based Execute Control (MBEC)	Yes
Intel® Total Memory Encryption	Yes
Intel® Transactional Synchronization Extensions	Yes
Intel® Platform Firmware Resilience Support	Yes
Intel VT-rp (Redirect Protection)	Yes
Management features	
Intel Active Management Technology (AMT)	Yes
Intel vPro® Enterprise Platform Eligibility	Yes