

INTEL

Procesor Intel Xeon Gold 6346 CPU 16-Core / 3.1GHz / 24MB Cache / 205W TDP / Socket LGA4189 / Tray

SKU: 17014750 · EAN: 8592978314446

SPECIFIKAT TEKNIKE

75 specifikat e produktit

ATRIBUTI	VLERA
Processor	
Processor manufacturer	Intel
Processor generation	3rd Generation Intel® Xeon® Scalable
Processor model	6346
Processor base frequency	3.1 GHz
Processor family	Intel® Xeon®
Processor cores	16
Processor socket	LGA 4189
Component for	Server/workstation
Processor lithography	10 nm
Processor threads	32
System bus rate	11.2 GT/s
Processor operating modes	64-bit
Processor boost frequency	3.6 GHz
High priority cores	4
High priority core frequency	3.2 GHz
Low priority cores	12
Low priority core frequency	3 GHz
Processor cache	36 MB
Thermal Design Power (TDP)	205 W
Package type	Tray
Cooler included	No
Processor codename	Ice Lake
Processor ARK ID	212457
Memory	
Maximum internal memory supported by processor	6 TB

Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	3200 MHz
Memory channels	Octa-channel
ECC	Yes
Graphics	
On-board graphics card	No
Discrete graphics card	No
On-board graphics card model	Not available
Discrete graphics card model	Not available
Features	
Execute Disable Bit	Yes
Market segment	Server
Maximum number of PCI Express lanes	64
PCI Express slots version	4.0
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512
Scalability	2S
Embedded options available	No
Export Control Classification Number (ECCN)	5A992CN3
Commodity Classification Automated Tracking System (CCATS)	G178966
Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	Yes
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	Yes
Intel Trusted Execution Technology	Yes
Intel® Speed Shift Technology	Yes
Intel® Transactional Synchronization Extensions	Yes
Intel® Total Memory Encryption	Yes
Intel® Crypto Acceleration	Yes
Intel® Platform Firmware Resilience Support	Yes
Maximum Enclave Size Support for Intel® SGX	64 GB
Intel VT-x with Extended Page Tables (EPT)	Yes
Intel Software Guard Extensions (Intel SGX)	Yes
Intel 64	Yes
Intel Virtualization Technology (VT-x)	Yes

Intel Virtualization Technology for Directed I/O (VT-d)	Yes
Intel® Optane™ Memory Ready	Yes
AVX-512 Fused Multiply-Add (FMA) units	2
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	Yes
Intel® Resource Director Technology (Intel® RDT)	Yes
Intel® Volume Management Device (VMD)	Yes
Intel® Run Sure Technology	Yes
Mode-based Execute Control (MBE)	Yes
Intel® Optane™ DC Persistent Memory Supported	Yes
Operational conditions	
Tcase	78 °C
Technical details	
Target market	Cloud Computing
Launch date	Q2'21
Status	Launched
Supported memory types	DDR4-SDRAM
Memory speed (max)	3200 MHz
Number of UPI links	3
Servicing status	Baseline Servicing
Logistics data	
Harmonized System (HS) code	85423119
Weight & dimensions	
Processor package size	77.5 x 56.5 mm
Other features	
Maximum internal memory	6 TB