

Intel Xeon Gold 6434 / 3.7 GHz processor - OEM



21-05-2024

SKU	PK8071305118801
Product Description:	Intel Xeon Gold 6434 / 3.7 GHz processor - OEM
Product Type:	Processor
Processor Type:	Intel Xeon Gold 6434 (4th Gen)
Number of Cores:	8-core / 16 threads
Cache:	22.5 MB
Compatible Processor Socket:	FCLGA4677 Socket
Processor Qty:	1

General

Product Type:

Dimensions & Weight (Shipping)

Processor	Shipping Width:	7.75 cm
	Shipping Depth:	5.65 cm

Miscellaneous

Package Type:	OEM/tray
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Processor

Type / Form Factor:	Intel Xeon Gold 6434 (4th Gen)
Number of Cores:	8-core
Number of Threads:	16 threads
Cache:	22.5 MB
Cache Memory Details:	Smart Cache - 22.5 MB
Processor Qty:	1
Clock Speed:	3.7 GHz
Max Turbo Speed:	4.1 GHz
Compatible Processor Socket:	FCLGA4677 Socket
Manufacturing Process:	10 nm

Processor

Thermal Design Power: 195 W

Thermal Specification: 64 °C

PCI Express Revision: 5.0

PCI Express Lanes Qty: 80

Architecture Features:

Hyper-Threading Technology, Execute Disable Bit capability, Intel Virtualization Technology, Intel 64 Technology, Intel Trusted Execution Technology, streaming SIMD extensions 4.2, Intel Turbo Boost Technology 2.0, Intel AES New Instructions (AES-NI), Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel Transactional Synchronization Extensions (TSX), Intel OS Guard, Intel Software Guard Extensions (SGX), Intel Speed Shift Technology, Intel Advanced Vector Extensions 512 (AVX-512), Intel Run Sure Technology, Intel Boot Guard, Intel Deep Learning Boost (DL Boost), Intel Resource Director Technology (RDT), Advanced Vector Extensions (AVX), Intel Speed Select technology - Base Frequency, Intel Optane DC Persistent Memory Supported, Intel Speed Select technology - Core Power, Intel Speed Select technology - Turbo Frequency, Intel Control-Flow Enforcement Technology, Intel Total Memory Encryption, Intel Platform Firmware Resilience Support, Intel Crypto Acceleration, Advanced Vector Extensions 2 (AVX2), Mode-based Execute Control (MBEC), Intel On Demand Feature Activation, 2 high priority cores, 3.90 GHz high priority core, 6 low priority cores, Intel QuickAssist Software Acceleration, 128 GB maximum Enclave Page Cache (EPC) size for Intel SGX

