

Intel Xeon Gold 6418H / 2.1 GHz processor - OEM



16-05-2024

SKU	PK8071305121202
Product Description:	Intel Xeon Gold 6418H / 2.1 GHz processor - OEM
Product Type:	Processor
Processor Type:	Intel Xeon Gold 6418H (4th Gen)
Number of Cores:	24-core / 48 threads
Cache:	60 MB
Compatible Processor Socket:	FCLGA4677 Socket
Processor Qty:	1

General

Product Type:	Processor
Width:	7.75 cm
Depth:	5.65 cm

Manufacturer Warranty

Service & Support:	Limited warranty - 1 year
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Miscellaneous

Package Type:	OEM/tray
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Processor

Type / Form Factor:	Intel Xeon Gold 6418H (4th Gen)
Number of Cores:	24-core
Number of Threads:	48 threads
Cache:	60 MB
Processor Qty:	1
Clock Speed:	2.1 GHz
Max Turbo Speed:	4 GHz
Compatible Processor Socket:	FCLGA4677 Socket
Manufacturing Process:	10 nm
Thermal Design Power:	185 W
Thermal Specification:	94 °C



Processor

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, 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 Advanced Vector Extensions 512 (AVX-512), Intel Run Sure Technology, Intel Boot Guard, Intel Deep Learning Boost (DL Boost), Intel Resource Director Technology (RDT), Intel Speed Select technology - Performance Profile, Advanced Vector Extensions (AVX), Intel Speed Select technology - Base Frequency, 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), Intel SSE4.2, Mode-based Execute Control (MBEC), Intel On Demand Feature Activation, Intel Advanced Matrix Extensions, 8 high priority cores, 2.30 GHz high priority core, 1.90 GHz low priority core, Intel Data Streaming Accelerator (DSA), 16 low priority cores, Intel QuickAssist Software Acceleration, Intel Advanced Matrix Extensions (AMX), Intel Software Guard Extensions (SGX) with Intel SPS, Intel In-memory Analytics Accelerator (IAA), 2 FMA (Fused Multiply Add instructions) units, 512 GB maximum Enclave Page Cache (EPC) size for Intel SGX