

Intel Xeon Gold 6238 - 2.1 GHz

22-core - 44 threads - 30.25 MB cache - LGA3647 Socket - OEM

Group	CPUs
Manufacturer	Intel
Manufacturer item no.	CD8069504283104



Description

With support for higher memory speeds, enhanced memory capacity, and up-to four-socket scalability, Intel Xeon Gold processors deliver improved performance, enhanced memory capabilities, advanced security technologies, and built-in workload acceleration. These processors are optimized for demanding mainstream data center, cloud compute, and network and storage workloads. With up to four-socket scalability, they are suitable for an expanded range of workloads.

Main features

Product Description	Intel Xeon Gold 6238 / 2.1 GHz processor - OEM
Product Type	Processor
Processor Type	Intel Xeon Gold 6238
Number of Cores	22-core / 44 threads
Cache	30.25 MB
Compatible Processor Socket	LGA3647 Socket
Processor Qty	1
Clock Speed	2.1 GHz
Max Turbo Speed	3.7 GHz
Manufacturing Process	14 nm
Features	Enhanced SpeedStep technology, 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 vPro Technology, Intel VT-x with Extended Page Tables (EPT), Intel TSX-NI, Intel Speed Shift Technology, Intel Optane Memory Supported, Intel Advanced Vector Extensions 512 (AVX-512), Mode-based Execute Control (MBE), Intel Volume Management Device (VMD), Intel Run Sure Technology, Intel Deep Learning Boost (DL Boost), Intel Resource Director Technology (RDT)

Extended details

	General
Product Type	Processor
	Processor
Type / Form Factor	Intel Xeon Gold 6238
Number of Cores	22-core

Cache	30.25 MB
Cache Memory Details	Smart Cache - 30 MB
Processor Qty	1
Clock Speed	2.1 GHz
Max Turbo Speed	3.7 GHz
Compatible Processor Socket	LGA3647 Socket
Manufacturing Process	14 nm
Thermal Design Power	140 W
Thermal Specification	92 °C
PCI Express Revision	3.0
PCI Express Lanes Qty	48
Architecture Features	Enhanced SpeedStep technology, 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 vPro Technology, Intel VT-x with Extended Page Tables (EPT), Intel TSX-NI, Intel Speed Shift Technology, Intel Optane Memory Supported, Intel Advanced Vector Extensions 512 (AVX-512), Mode-based Execute Control (MBE), Intel Volume Management Device (VMD), Intel Run Sure Technology, Intel Deep Learning Boost (DL Boost), Intel Resource Director Technology (RDT)
	Miscellaneous
Package Type	OEM/tray

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