

# Intel Xeon Gold 6542Y / 2.9 GHz processor - OEM



04-06-2024

|                                   |                                                 |
|-----------------------------------|-------------------------------------------------|
| SKU                               | PK8072205559600                                 |
| Produktbeskrivelse:               | Intel Xeon Gold 6542Y / 2.9 GHz Processor - OEM |
| Produkttype:                      | Processor                                       |
| Processortype:                    | Intel Xeon Gold 6542Y (5. Gen)                  |
| Antal kerner:                     | 24-kerne / 48 tråde                             |
| Cache:                            | 60 MB                                           |
| Kompatibel Processor Tilslutning: | FCLGA4677 Socket                                |
| Antal processorer:                | 1                                               |

## Generelt

|              |           |            |           |
|--------------|-----------|------------|-----------|
| Produkttype: | Processor | Pakketype: | OEM/bakke |
|--------------|-----------|------------|-----------|

## Diverse

### Processor

|                                   |                                |
|-----------------------------------|--------------------------------|
| Type / Model:                     | Intel Xeon Gold 6542Y (5. Gen) |
| Antal kerner:                     | 24-kerne                       |
| Antal tråde:                      | 48 tråde                       |
| Cache:                            | 60 MB                          |
| Detaljer for cache-hukommelse:    | Smart Cache - 60 MB            |
| Antal processorer:                | 1                              |
| Clock-frekvens:                   | 2.9 GHz                        |
| Max Turbo Speed:                  | 4.1 GHz                        |
| Kompatibel Processor Tilslutning: | FCLGA4677 Socket               |
| Fremstillingsproces:              | 7 nm                           |
| Termisk designeffekt:             | 250 W                          |
| Termisk specifikation:            | 101 °C                         |
| PCI Express-revision:             | 5.0                            |
| Antal PCI Express-spor:           | 80                             |



## Processor

### DesignEgenskaber:

Hyper-Threading teknologi,  
Execute Disable Bit funktion,  
Intel Virtualization Technology,  
Intel 64 Technology, Intel  
Trusted Execution Technology,  
Intel Turbo Boost Technology  
2.0, Intel Advanced Vector  
Extensions (AVX), 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),  
Mode-based Execute Control  
(MBE), Intel Run Sure  
Technology, Intel Boot Guard,  
Intel Deep Learning Boost (DL  
Boost), Intel Resource Director  
Technology (RDT), Intel Speed  
Select technology - Performance  
Profile, 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,  
Instruction Set 64-bit, Advanced  
Vector Extensions 2 (AVX2), Intel  
On Demand Feature Activation,  
Intel Advanced Matrix  
Extensions, 8 højprioritetskerner,  
Intel Data Streaming Accelerator  
(DSA), 16 lavprioritetskerner,  
Intel QuickAssist Software  
Acceleration, 128 GB maksimum  
Enclave Page Cache (EPC)  
størrelse til Intel SGX, 2 AVX-512  
FMA Units, 3,10 GHz  
højprioritetskerne, 2,70 GHz  
lavprioritetskerne