

# Intel Xeon Gold 6248 / 2.5 GHz processor - OEM



13-05-2024

|                              |                                                |
|------------------------------|------------------------------------------------|
| SKU                          | CD8069504194301                                |
| Product Description:         | Intel Xeon Gold 6248 / 2.5 GHz processor - OEM |
| Product Type:                | Processor                                      |
| Processor Type:              | Intel Xeon Gold 6248                           |
| Number of Cores:             | 20-core / 40 threads                           |
| Cache:                       | 27.5 MB                                        |
| Compatible Processor Socket: | LGA3647 Socket                                 |
| Processor Qty:               | 1                                              |

## General

|               |           |               |          |
|---------------|-----------|---------------|----------|
| Product Type: | Processor | Package Type: | OEM/tray |
|---------------|-----------|---------------|----------|

## Miscellaneous

### Processor

|                              |                            |
|------------------------------|----------------------------|
| Type / Form Factor:          | Intel Xeon Gold 6248       |
| Number of Cores:             | 20-core                    |
| Number of Threads:           | 40 threads                 |
| Cache:                       | 27.5 MB                    |
| Cache Memory Details:        | L3 - Smart Cache - 27.5 MB |
| Processor Qty:               | 1                          |
| Clock Speed:                 | 2.5 GHz                    |
| Max Turbo Speed:             | 3.9 GHz                    |
| Compatible Processor Socket: | LGA3647 Socket             |
| Manufacturing Process:       | 14 nm                      |
| Thermal Design Power:        | 150 W                      |
| Thermal Specification:       | 86 °C                      |
| PCI Express Revision:        | 3.0                        |

## Processor

|                           |    |
|---------------------------|----|
| PCI Express<br>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)

