

Dell Intel Xeon Gold 5318Y(338-CBXV)

Intel Xeon Gold 5318Y - 2.1 GHz - 24-core - 48 threads - 36 MB cache

The Intel Xeon Gold 5318Y 2.1GHz twenty four-core processor enhances the performance and the speed of your system. Additionally, the Virtualization Technology enables migration of more environments. It supports enhanced SpeedStep technology that allows tradeoffs to be made between performance and power consumption.

Its Thermal Monitoring Technologies protect the processor package and the system from thermal failure through several thermal management features. The VT-x with Extended Page Tables (EPT) also known as Second Level Address Translation (SLAT), provides acceleration for memory intensive virtualized applications. Packed with more features, the Xeon Gold 5318Y 2.1GHz twenty four-core processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.

Key Selling Points

- 24-core Intel Xeon Gold 5318Y processor for high-performance computing
- Supports Hyper-Threading Technology, enabling 48 threads for improved multitasking
- Includes Intel VT-x with Extended Page Tables for enhanced virtualization
- 11.2 GT/s bus speed for fast data transfer between processor and other components
- 165 W Thermal Design Power for reliable and sustained performance

Product Features

- Enhanced processing power**
Equipped with a 24-core Intel Xeon Gold 5318Y processor, this Dell processor delivers robust performance for demanding applications. The 2.1 GHz clock speed and 36 MB cache ensure efficient data handling and processing speed, making it ideal for complex computing tasks.
- Advanced virtualization support**
Featuring Intel VT-x with Extended Page Tables (EPT) and Intel Virtualization Technology, this processor offers enhanced virtualization capabilities. It allows for improved management of memory and processor resources, enabling smoother running of multiple virtual machines.
- Efficient multitasking**
With Hyper-Threading Technology, the processor supports up to 48 threads, doubling the processing threads available to applications. This technology enables more efficient use of processor resources, improving performance in multitasking environments and parallel computing operations.

Main Specifications

Product Description	Intel Xeon Gold 5318Y / 2.1 GHz processor
Product Type	Processor
Processor Type	Intel Xeon Gold 5318Y
Number of Cores	24-core / 48 threads
Cache	36 MB
Processor Qty	1
Clock Speed	2.1 GHz
Bus Speed	11.2 GT/s
Features	Hyper-Threading Technology, Enhanced SpeedStep technology, Intel Virtualization Technology, Intel VT-x with Extended Page Tables (EPT)
Manufacturer Warranty	1-year warranty or inherited Dell system warranty

Extended Specification

General

Product Type	Processor
--------------	-----------

Manufacturer Warranty

Service & Support	Limited warranty - 1 year
-------------------	---------------------------

Processor

Type / Form Factor	Intel Xeon Gold 5318Y
Number of Cores	24-core
Number of Threads	48 threads
Cache	36 MB
Cache Memory Details	36 MB
Processor Qty	1
Clock Speed	2.1 GHz
Bus Speed	11.2 GT/s
Thermal Design Power	165 W
Architecture Features	Hyper-Threading Technology, Enhanced SpeedStep technology, Intel Virtualization Technology, Intel VT-x with Extended Page Tables (EPT)

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet