



DELL Intel Xeon Platinum 8460Y+ processor 2 GHz 105 MB Tray

Brand : DELL

Product code: 338-CHDC

Product name : Intel Xeon Platinum 8460Y+

Intel Xeon Platinum 8460Y+ 2GHz Forty Core Processor, 40C/80T, 16GT/s, 105M Cache, Turbo, HT (300W) DDR5-4800

DELL Intel Xeon Platinum 8460Y+ processor 2 GHz 105 MB Tray:

The Intel Xeon Platinum 8460Y+ 2GHz Forty 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 Platinum 8460Y+ 2GHz Forty Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.

Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Control-flow Enforcement Technology (CET)	✓
Processor generation	Intel Xeon Scalable 4th Gen	Intel® Crypto Acceleration	✓
Processor model *	8460Y+	Intel® Platform Firmware Resilience Support	✓
Processor base frequency *	2 GHz	Maximum Enclave Size Support for Intel® SGX	128 GB
Processor family *	Intel® Xeon® Platinum	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cores *	40	Intel® OS Guard	✓
Processor socket *	LGA 4677 (Socket E)	Intel Software Guard Extensions (Intel SGX)	✓
Processor threads	80	Intel 64	✓
System bus rate	16 GT/s	Intel Virtualization Technology (VT-x)	✓
Processor operating modes *	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor boost frequency	3.7 GHz	AVX-512 Fused Multiply-Add (FMA) units	2
High priority cores	12	Intel® Boot Guard	✓
High priority core frequency	2.1 GHz	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Low priority cores	28	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Low priority core frequency	1.7 GHz	Intel® Resource Director Technology (Intel® RDT)	✓
Processor cache	105 MB	Intel® Run Sure Technology	✓
Thermal Design Power (TDP)	300 W	Mode-based Execute Control (MBE)	✓
Package type *	Tray	Intel® Optane™ DC Persistent Memory Supported	✓
Stepping	E5	Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✓
Processor codename	Sapphire Rapids	Intel® QuickAssist Software Acceleration	✓
Processor ARK ID	231736	Intel® On Demand Feature Activation	✓
Memory		Intel® QuickAssist Technology (QAT)	1 default devices
Maximum internal memory supported by processor	6 TB	Intel® Dynamic Load Balancer (DLB)	1 default devices
Memory types supported by processor	DDR4-SDRAM		
Memory channels *	Octa-channel		
ECC	✓		
Graphics			
On-board graphics card *	✗		
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		

Features		Processor special features	
Market segment	Server	Intel® Data Streaming Accelerator (DSA)	1 default devices
Maximum number of PCI Express lanes	80	Intel® In-memory Analytics Accelerator (IAA)	1 default devices
PCI Express slots version	5.0	Intel® Advanced Matrix Extensions (AMX)	✓
Supported instruction sets	AMX, SSE4.2, AVX, AVX 2.0, AVX-512	Operational conditions	
Scalability	25	Tcase	76 °C
Processor special features		DTS Max	95 °C
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Weight & dimensions	
Intel® Turbo Boost Technology	2.0	Processor package size	77.5 x 56.5 mm
Intel® AES New Instructions (Intel® AES-NI)	✓	Other features	
Intel Trusted Execution Technology	✓	Compatibility	PowerEdge C6620 PowerEdge MX760C PowerEdge R660
Intel® Speed Shift Technology	✓		PowerEdge R760 PowerEdge R760XA PowerEdge XE8640
Intel® Transactional Synchronization Extensions	✓		PowerEdge XE9640 PowerEdge XE9680
Intel® Total Memory Encryption	✓		

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.