



DELL Intel Xeon Platinum 8480+ processor 2 GHz 105 MB Tray

Brand : DELL

Product code: 338-CHCY

Product name : Intel Xeon Platinum 8480+

Intel Xeon Platinum 8480+ 2.0GHz Fifty-six Core Processor, 56C/112T, 11.2GT/s, 105M Cache, Turbo, HT (350W) DDR5-4800

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The Intel Xeon Platinum 8480+ 2.0GHz Fifty-six 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 8480+ 2.0GHz Fifty-six 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® Total Memory Encryption	✓
Processor generation	Intel Xeon Scalable 4th Gen	Intel® Control-flow Enforcement Technology (CET)	✓
Processor model *	8480+	Intel® Crypto Acceleration	✓
Processor base frequency *	2 GHz	Intel® Platform Firmware Resilience Support	✓
Processor family *	Intel® Xeon® Platinum	Maximum Enclave Size Support for Intel® SGX	512 GB
Processor cores *	56	Intel VT-x with Extended Page Tables (EPT)	✓
Processor socket *	LGA 4677 (Socket E)	Intel® OS Guard	✓
Processor threads	112	Intel Software Guard Extensions (Intel SGX)	✓
System bus rate	16 GT/s	Intel 64	✓
Processor operating modes *	64-bit	Intel Virtualization Technology (VT-x)	✓
Processor boost frequency	3.8 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
High priority cores	16	AVX-512 Fused Multiply-Add (FMA) units	2
High priority core frequency	2.1 GHz	Intel® Boot Guard	✓
Low priority cores	40	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
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)	350 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	231746	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	79 °C
Processor special features		DTS Max	97 °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

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