

Intel Xeon 8180 processor 2,5 GHz 38,5 MB L3 Box

Merk : Intel

Productfamilie: Xeon

Artikelcode: BX806738180

Productnaam : 8180

Intel Xeon 8180. Processorfamilie: Intel® Xeon® Platinum, Processor socket: LGA 3647 (Socket P), Processor lithografie: 14 nm. Geheugen kanaal: Zeskanaals, Maximaal intern geheugen ondersteund door processor: 768 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Server, Ondersteunde instructie sets: SSE4.2, AVX, AVX 2.0, AVX-512, Schaalbaarheid: S8S. Type verpakking: Retaildoos. Verpakkingsgrootte processor: 76mm x 56.5mm



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Speed Shift-technologie	✓
Processorgeneratie	1e generatie Intel® Xeon® schaalbaar	Intel® Transactional Synchronization Extensions	✓
Processormodel *	8180	Intel® VT-x with Extended Page Tables (EPT)	✓
Basisfrequentie processor *	2,5 GHz	Intel® TSX-NI	✓
Processorfamilie *	Intel® Xeon® Platinum	Intel® 64	✓
Aantal processorkernen *	28	Intel® Virtualization Technology (VT-x)	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Component voor	Server/werkplaats	Versie Intel® TSX-NI	1,00
Processor lithografie *	14 nm	Conflictvrije processor	✓
Processor aantal threads	56	Intel® Turbo Boost Max Technology 3.0	✗
Processor operating modes *	64-bit	Intel® Optane™ Memory Ready	✗
Maximale turbofrequentie van processor	3,8 GHz	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Processor cache	38,5 MB	Intel® Volume Management Device (VMD)	✓
Processor cache type	L3	Intel® Run Sure-technologie	✓
Thermal Design Power (TDP)	205 W	Mode-based Execute Control (MBE)	✓
Box *	✓	Intel® vPro™ Platform Eligibility	✓
Inclusief koeler *	✓		
aantal QPI links	3		
Codenaam processor	Skylake		
ARK ID processor	120496		
Geheugen		Eisen aan de omgeving	
Maximaal intern geheugen ondersteund door processor	768 GB	Tcase	84 °C
Geheugentypen ondersteund door processor	DDR4-SDRAM	Technische details	
Klokgeheugen-snelheden ondersteund door processor	2666 MHz	Lanceringsdatum	Q3'17
Geheugen kanaal *	Zeskanaals	Processorcache	39424 KB
ECC	✓	Type product	Processor
Grafisch		Status	Launched
Ingebouwde grafische adapter *	✗	Maximaal geheugen	768 GB
Kenmerken		Merknaam processor	Intel Xeon Platinum Intel Xeon Platinum Processor
Execute Disable Bit	✓	Ondersteunde geheugen types	DDR4-SDRAM
Marktsegment	Server	Laatste wijziging	63903513
Maximaal aantal PCI Express-lijnen	48	Productfamilie	Intel Xeon Processors
PCI Express slots versie	3.0	Intel® Speed Shift-technologie-versie	1,00
Ondersteunde instructie sets	SSE4.2, AVX, AVX 2.0, AVX-512	Intel® Run Sure Technology versie	1,00
Schaalbaarheid	S8S	Intel® Volume Management Device (VMD) versie	1,00

Kenmerken		Technische details	
Ingebouwde opties beschikbaar	✘	Geheugensnelheid (max)	2666 MHz
PCI Express CEM revisie	3.0	Mode-based Execute Control (MBE) versie	1,00
Export Control Classification Number (ECCN)	5A992C	Aantal UPI-koppelingen	3
Commodity Classification Automated Tracking System (CCATS)	G077159	Logistieke gegevens	
Processor speciale functies		Code geharmoniseerd systeem (HS) 85423119	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Verpakking	
Intel® Turbo Boost Technology	2.0	Type verpakking	Retaildoos
Intel® AES New Instructions (Intel® AES-NI)	✓	Gewicht en omvang	
Enhanced Intel SpeedStep Technology	✓	Verpakkingsgrootte processor	76mm x 56.5mm
Intel® Trusted Execution Technology	✓	Overige specificaties	
		Maximum intern geheugen	768 GB
		Maximaal intern geheugen	786432 MB



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