

Intel Xeon Platinum 8163

CPU Cores	24
Max. Frequency	3.1 GHz
Cache	33 MB



CPU Model Score not available!

Intel Xeon Platinum 8163

General Information

Launch Date	2017
Part Numbers	CD8067303527200
Fab Process	14 nm (Intel)
CPU Size	76.0 x 56.5 mm
TDP	165.0 W
Multi-chip module (MCM)	1
Socket	LGA3647
Die Size	698 mm ²

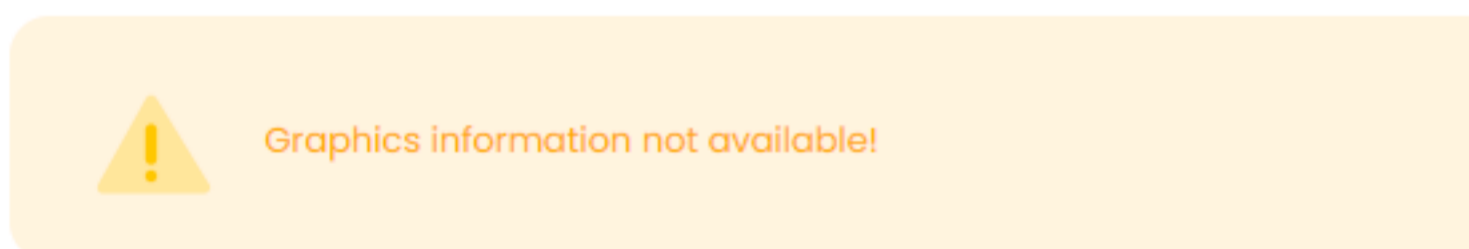
Intel Xeon Platinum 8163

Features

Data width	64 bits
Scalability	8 CPUs
Bus	UPI
Bus Frequency	100 MHz
Bus Speed	10.4 GT/s
Instruction Set	MMX SSE SSE2 SSE3 SSSE3 SSE4.1 SSE4.2 AES AVX AVX2 AVX-512 BMI1 BMI2 F16C FMA3 TSX MPX SGX EM64T
Features	HyperThreading NX bit VT-x VT-d

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Graphics Information

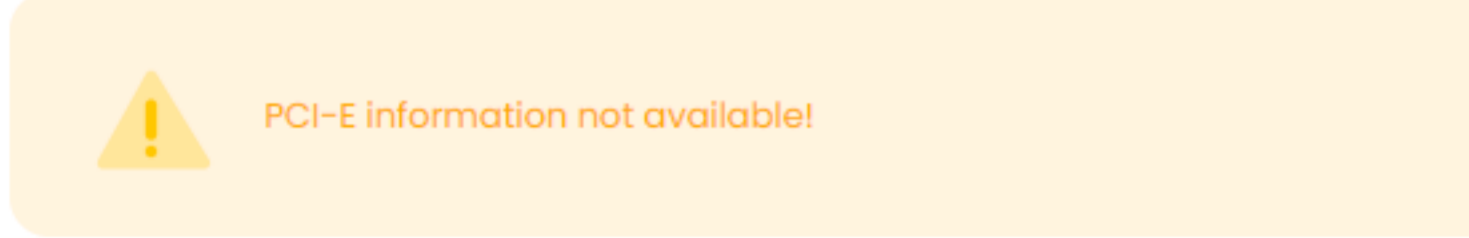


Graphics information not available!

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PCI Express Information

PCI Express Revision	3.0
PCI Express Lanes	48



PCI-E information not available!

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Related CPU list

Name	Model Score
Intel Xeon Platinum 8462Y+	N/A
Intel Xeon Platinum 8460H	N/A
Intel Xeon Platinum 8460Y+	N/A
Intel Xeon Platinum 8461V	N/A
Intel Xeon Platinum 8468	N/A
Intel Xeon Platinum 8468H	N/A
Intel Xeon Platinum 8468V	N/A
Intel Xeon Platinum 8470	N/A
Intel Xeon Platinum 8470N	N/A
Intel Xeon Platinum 8471N	N/A

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Core Information

Micro-architecture	Skylake
Codename	Skylake-SP
Core Stepping	H0
S-Spec	SR3G1
Cores	24
Threads	48
Base Frequency	2.4 GHz
Turbo Frequency	3.1 GHz
Turbo Frequency (Cores)	3.1 GHz: 1 - 2 Cores 2.7 GHz: 24 Cores
L1 Cache (Instruction)	768 KB
L1 Cache (Data)	768 KB
L2 Cache	24 MB
L3 Cache	33 MB
Multiplier	21.0
Turbo Multiplier	37.0

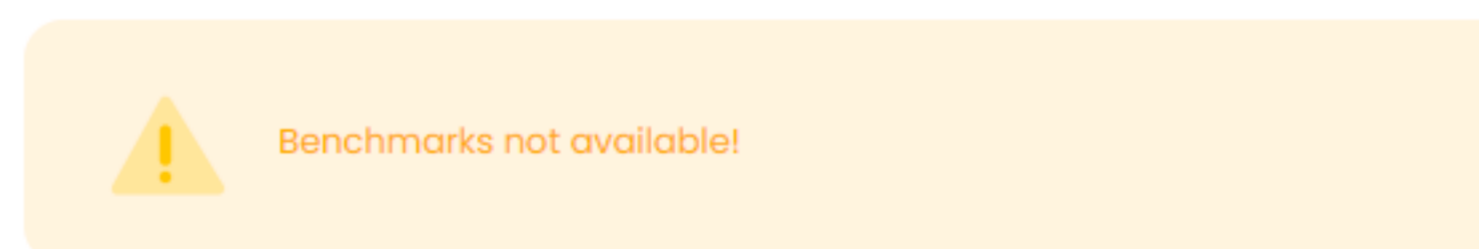
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Memory

Memory Type	DDR4-2666
Memory Bandwidth	127.9 GB/s
Memory Channels	6
Max Memory Size	768 GB
ECC Memory Support	Yes

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Benchmarks



Benchmarks not available!

Intel Xeon Platinum 8163 Notes

OEM CPU