

Intel Xeon Gold 6133

CPU Cores <small>i</small>	20
Max. Frequency <small>i</small>	3 GHz
Cache <small>i</small>	28 MB



CPU Model Score not available!

Intel Xeon Gold 6133

General Information

Launch Date	Q3 2017
Fab Process	14 nm (Intel)
CPU Size	76.0 x 56.5 mm
TDP	205.0 W
Multi-chip module (MCM)	1
Socket	LGA3647
Die Size	698 mm ²

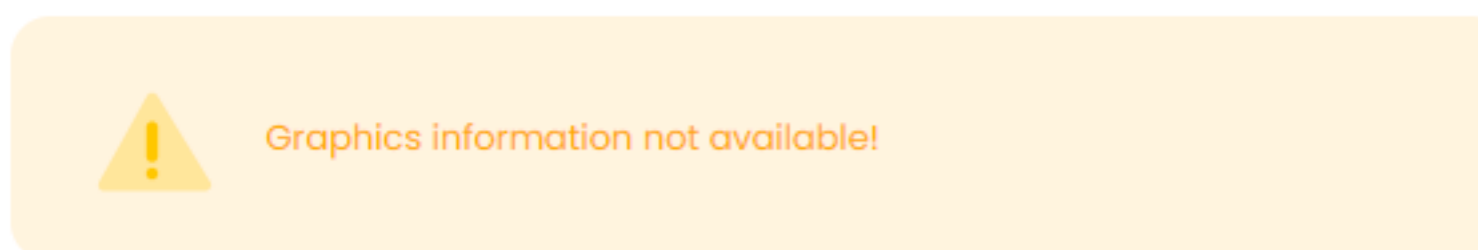
Intel Xeon Gold 6133

Features

Data width	64 bits
Scalability	4 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

Intel Xeon Gold 6133

Graphics Information

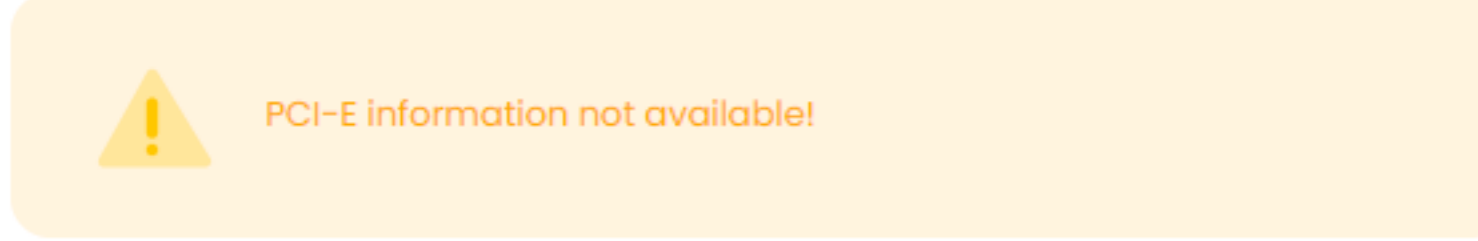


Graphics information not available!

Intel Xeon Gold 6133

PCI Express Information

PCI Express Revision	3.0
PCI Express Lanes	48



PCI-E information not available!

Intel Xeon Gold 6133

Related CPU list

Name	Model Score
Intel Xeon Gold 6430	N/A
Intel Xeon Gold 6434	N/A
Intel Xeon Gold 6434H	N/A
Intel Xeon Gold 6438M	N/A
Intel Xeon Gold 6438N	N/A
Intel Xeon Gold 6438Y+	N/A
Intel Xeon Gold 6442Y	N/A
Intel Xeon Gold 6444Y	N/A
Intel Xeon Gold 6448H	N/A
Intel Xeon Gold 6448Y	N/A

Intel Xeon Gold 6133

Core Information

Micro-architecture	Skylake
Codename	Skylake-SP
Core Stepping	H0
S-Spec	SR3MI
Cores	20
Threads	40
Base Frequency	2.5 GHz
Turbo Frequency	3 GHz
Turbo Frequency (Cores)	3 GHz: 1 – 2 Cores 2.8 GHz: 20 Cores
L1 Cache (Instruction)	640 KB
L1 Cache (Data)	640 KB
L2 Cache	20 MB
L3 Cache	28 MB
Multiplier	25.0
Turbo Multiplier	30.0

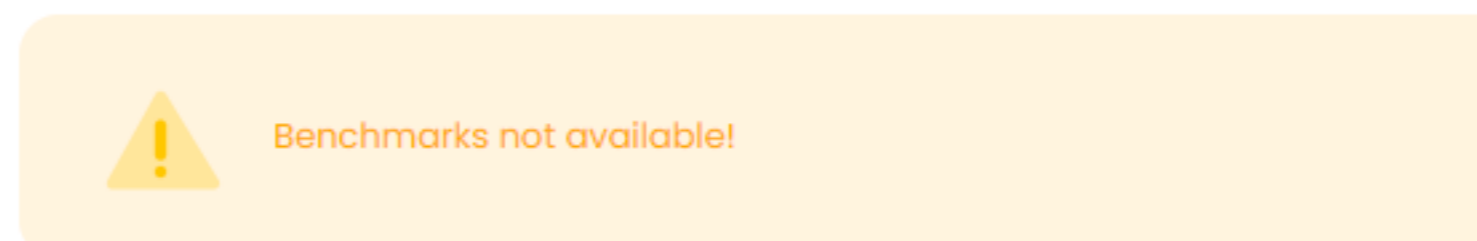
Intel Xeon Gold 6133

Memory

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

Intel Xeon Gold 6133

Benchmarks



Benchmarks not available!

Intel Xeon Gold 6133 Notes

OEM CPU