

STACKRACK

CPT30 Series Sales Kit

G3D Mark Comparison



GeForce GTX 1050 Ti [+ Compare](#)

Average G3D Mark

Description: Bus Interface: PCI-E 3.0 x16, Max Memory Size: 4096 MB, Core Clock(s): 1290 MHz, Memory Clock(s): 1752 MHz, Graphics API Support: DirectX 12.0 OpenGL 4.5 Max TDP: 75 W

Videocard Category: Desktop

Other names: NVIDIA GeForce GTX 1050 Ti

Videocard First Benchmarked: 2016-10-27

G3DMark/\$Price: 37.15 **Overall Rank:** 63

Last Price Change: \$154.99 USD (2017-11-11)

5757

Samples: 5335



GeForce GTX 950M [+ Compare](#)

Average G3D Mark

Description: Bus Interface: PCIe 3.0 x16, Max Memory Size: 2048 MB, Core Clock(s): 914 MHz, Memory Clock(s): 1000 MHz, Graphics API Support: DirectX 12.0 OpenGL 4.5 Max TDP: 75 W

Videocard Category: Mobile

Other names: NVIDIA GeForce GTX 950M

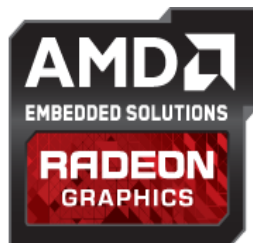
Videocard First Benchmarked: 2015-03-31

G3DMark/\$Price: NA **Overall Rank:** 194

Last Price Change: NA

1707

Samples: 1527



Radeon E6760 [+ Compare](#)

Average G3D Mark

Description:

Other names: AMD Radeon E6760

Videocard First Benchmarked: 2012-06-06

G3DMark/\$Price: 4.01 **Overall Rank:** 447

Last Price Change: \$239.99 USD (2013-01-17)

962

Samples: 11

GPUCPU Server Roadmap



CUDA 768 GTX1050Ti

Intel Xeon D-1548

CPT30-X2



7th Generation
Intel® Kaby Lake



CUDA 768 GTX1050Ti

Intel KabyLake i7-7820EQ

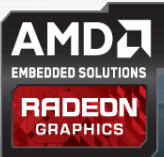
CPT30-X1



CUDA 640 – GTX950M

Intel Skylake i7-6820EQ

CPT30



AMD Radeon E6760

Intel IvyBridge i7-3610QE

PER6760A

CPT30 Series Guideline

Performance Level	3	2	1
Model	CPT30-X2	CPU30-X1	CPU30
NVIDIA GPU	GTX1050Ti	GTX1050Ti	GTX950M
CUDA Cores	768	768	640
3D Mark	5752	5752	1707
GFLOPS	2290	2290	1271
Intel CPU	Xeon D-1548	Core i7-7820EQ	Core i7-6820EQ
Cores/Threads	8/16	4/8	4/8
CPU Benchmark	10573	9435	8824
System Power Consumption	170 Watt	160 Watt	150 Watt



CPT30 Roadmap

Performance



CPT30



CPT30-X1



CPT30-X2



Main features of CPT30-X2



Processor



Main Features

- ◆ **Xeon D-1548**
- ◆ **8 Cores**
16 Threads
- ◆ **12M, 2.0Ghz**

GPU



Main Features

- ◆ **NVIDIA**
- ◆ **GTX1050Ti**
- ◆ **CUDA 768**
- ◆ **GDDR5 4GB**

Memory

32GB ^{2x16GB} **DDR4**
2400MHz
ECC Function

Main Features

- ◆ **DDR4-2400**
- ◆ **ECC Function**
- ◆ **Dual Channels**
- ◆ **32GB DDR4**

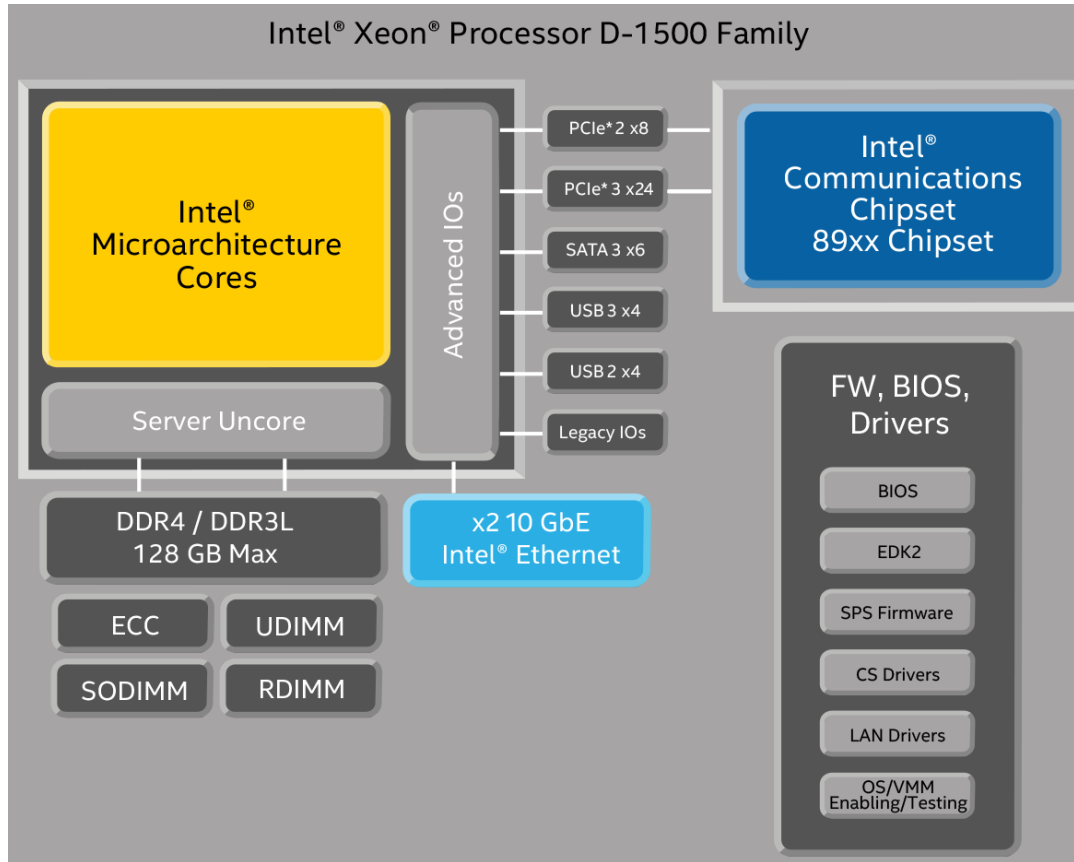
Operating Temp

Wide Temperature
-20°C / +50°C

Main Features

- ◆ **-20 °C~ +50°C**
- ◆ **Full speed NO throttling on 40°C**

Intel Xeon D-1500 Overview



Xeon D-1548 CPU

- 12M Cache, up to 2.60 GHz
- 8 Cores, 16 Threads
- TDP 45W

Memory

- DDR3L/DDR4 with ECC
- 128GB Max Capacity

Integrated I/Os

- 24 PCIe x1 Gen 3
- 10 GbE x2
- 4 USB 3.0, 4 USB 2.0
- 6 SATA Gen 3

Main features of CPT30-X1



Processor



Main Features

- ◆ **INTEL 7th Gen. KabyLake**
- ◆ **Core i7-7820EQ**
- ◆ **8M, 3.0Ghz**

GPU



Main Features

- ◆ **NVIDIA**
- ◆ **GTX1050Ti**
- ◆ **CUDA 768**
- ◆ **GDDR5 4GB**

Memory

32GB ^{2x16GB} **DDR4**
2400MHz

Main Features

- ◆ **DDR4-2400**
- ◆ **Dual Channels**
- ◆ **32GB DDR4**

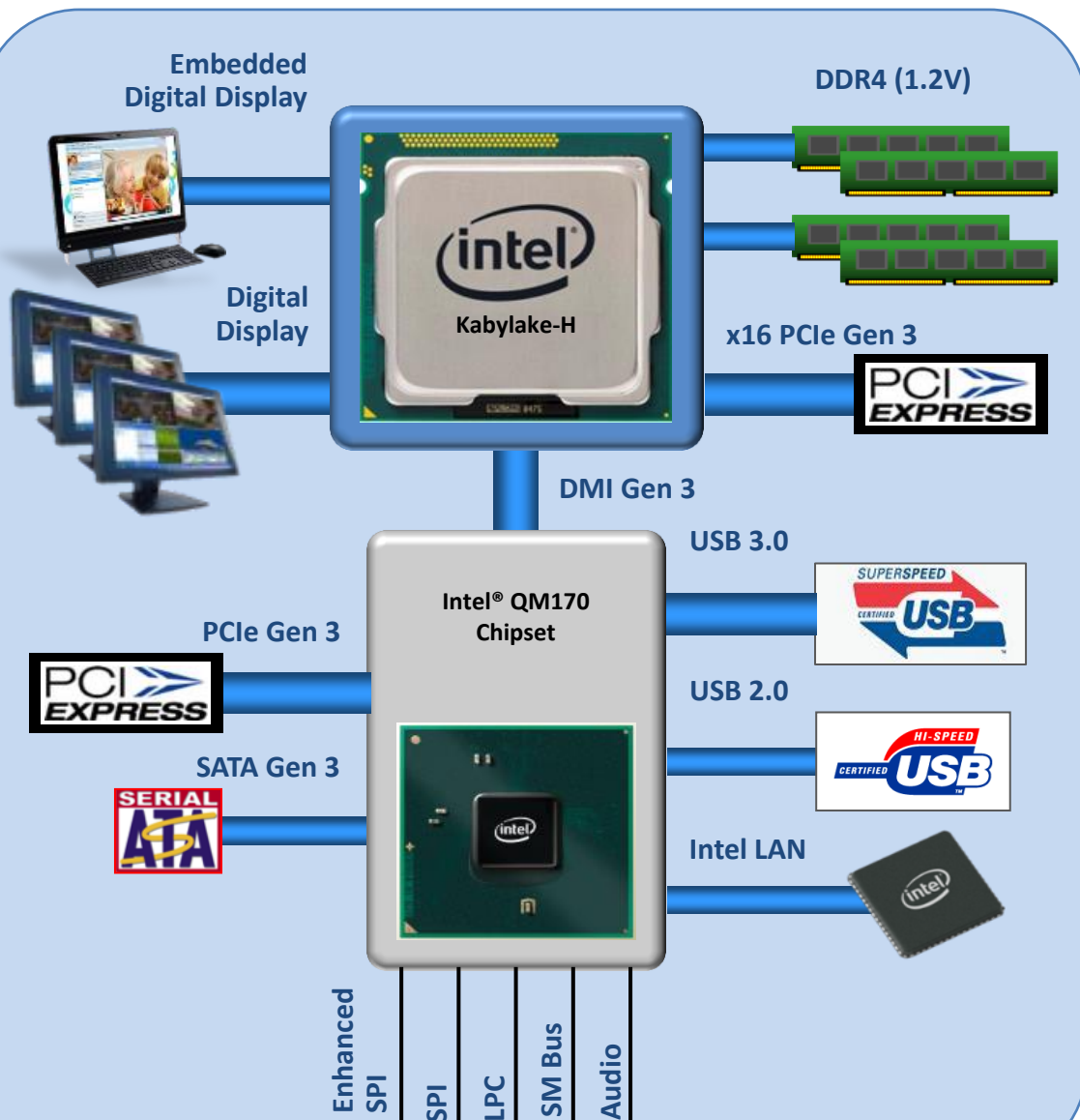
Operating Temp

Wide Temperature
-20°C / +60°C

Main Features

- ◆ **-20 °C~ +60°C**
- ◆ **Full speed NO throttling on 50°C**

Intel 7th Kabylake Overview



I7-7820EQ CPU

- 8M Cache, up to 3.7 GHz
- 4 Cores, 8 Threads
- TDP 45W

Memory

- DDR4
- 64GB Max Capacity

Integrated IOs

- 1 PCIe x16 Gen 3
- 8 USB 3.0, 14 USB 2.0
- 4 SATA Gen 3

Main features of CPT30



Processor



Main Features

- ◆ **INTEL 6th Gen. SKYLAKE**
- ◆ **Core i7-6820EQ**
- ◆ **8M, 2.8Ghz**

GPU



Main Features

- ◆ **NVIDIA**
- ◆ **GTX950M**
- ◆ **CUDA 640**
- ◆ **GDDR5 4GB**

Memory

32GB ^{2x16GB} **DDR4**
2133MHz

Main Features

- ◆ **DDR4-2133**
- ◆ **Dual Channels**
- ◆ **32GB DDR4**

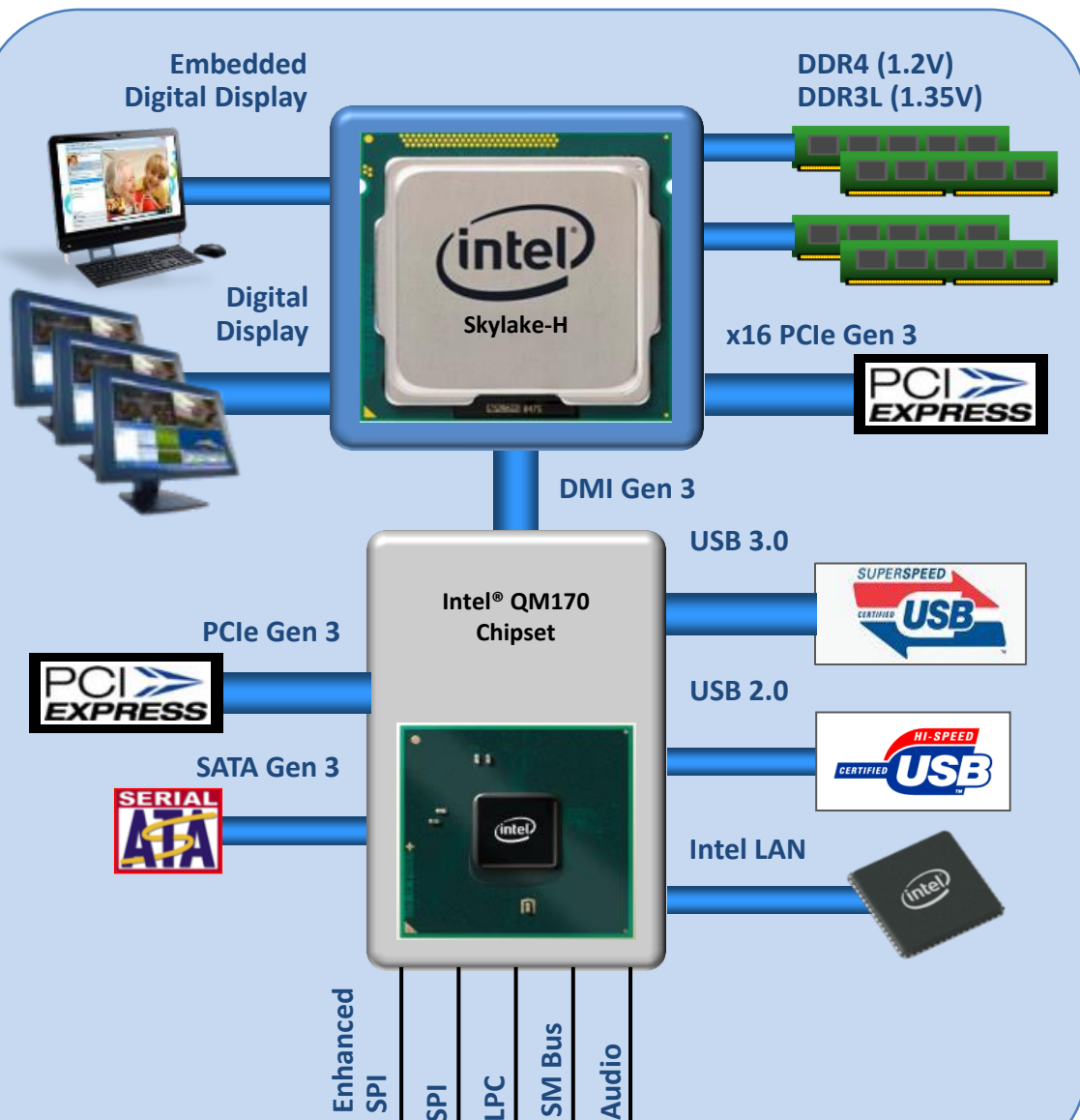
Operating Temp

Wide Temperature
-20°C / +60°C

Main Features

- ◆ **-20 °C~ +60°C**
- ◆ **Full speed NO throttling on 50°C**

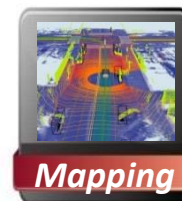
Intel 6th Skylake Overview



Telecom



Navigation



Mapping

I7-6820EQ CPU

- 8M Cache, up to 3.50 GHz
- 4 Cores, 8 Threads
- TDP 45W

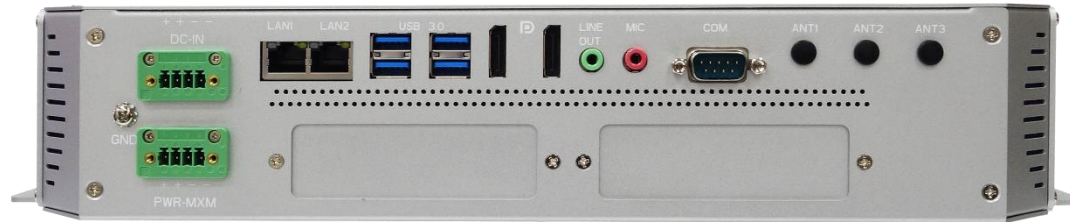
Memory

- DDR3L/DDR4
- 64GB Max Capacity

Integrated IOs

- 1 PCIe x16 Gen 3
- 8 USB 3.0, 14 USB 2.0
- 4 SATA Gen 3

I/O Expansions



I/O Expansions

	<i>Additional functionality</i>
☒ GbE LAN	• Optional quad LAN ports from MT321 Ethernet module
☒ CANbus	• Optional CAN
☒ DisplayPort	• Optional 4 display output from GTX950M
☒ Others Requirement	• Customize with mPCIe module output