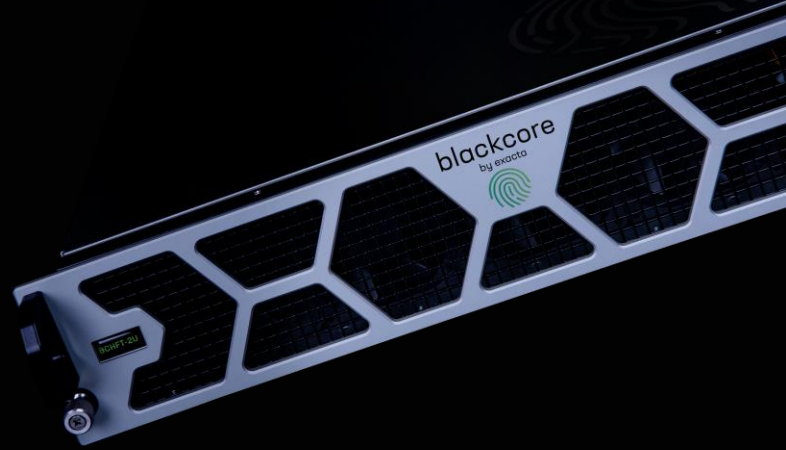




# Cascade Lake HFT Server



Available in 1U, 2U, 3U. FPGA compatible.

Our Cascade Lake server is the ultimate combination of speed and core count. With the Intel 10980XE giving you 5GHz across all cores and 24.75Mb of L3 cache running at 3.2 GHz.

This server delivers the ultimate performance along with immense low latency and is available in 1U or 2U solutions. If you're looking to secure ultimate return on investment, this system is a serious option to consider.

This server is our flagship product and our most popular SKU - and you can see why.

Up to 18 Cores @ 5GHz

Quad Channel DDR4 Memory Architecture  
Latency optimised RAM  
True IPMI Management Solution

## Server Specs

**18**

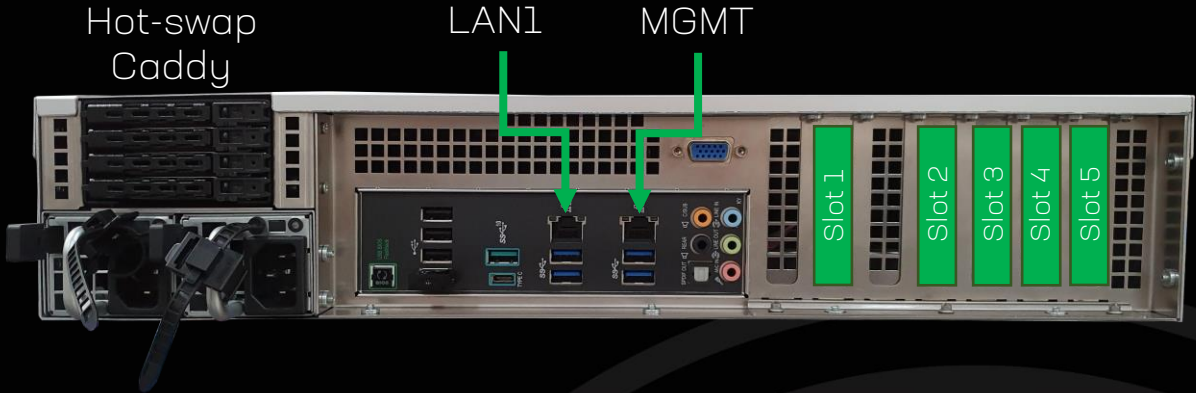
CPU Cores

Up to  
**4.9 GHz**  
clockspeed

Up to  
**256GB**  
RAM



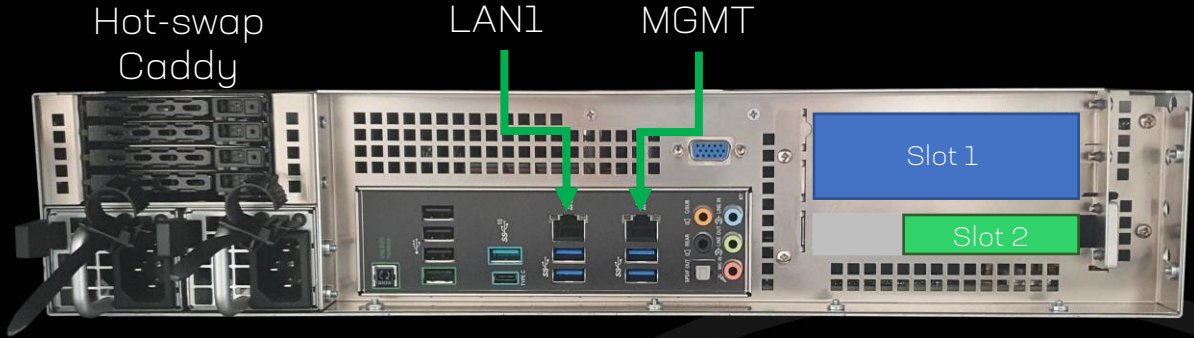
## 2U - Standard



CPU	Intel® Core™ i9-10900X - Intel® Core™ i9-10980XE
CPU Frequency	up to 18 Cores @ 4.9GHz [all-core]
Cache	24.75MB @ 3.2GHz
Chipset	X299
RAM	Up to 256GB of latency tuned high performance DDR4
PCIe	Slot 1 - Physical x16, Electrical x16, HHFL Double Width Slot 2 - Physical x16, Electrical x16, HHFL Single Width Slot 3 - Physical x4, Electrical x4, HHFL Single Width Slot 4 - Physical x16, Electrical x8, HHFL Single Width Slot 5 - Physical x16, Electrical x4, HHFL Single Width
LAN	LAN1 - 1Gbe RJ45 MGMT - 1Gbe RJ45, Aspeed AST2500 IPMI. Can also be used as LAN2
Rear I/O	1 x VGA 2 x USB 3.1 Gen 2 (Type-A + USB Type-C™) 4 x USB 3.1 Gen 1 4 x USB 2.0 1 x USB BIOS Flashback® Button
RAID	Onboard RAID 0, 1, 5, 10 Hardware RAID optional
Storage	4 x 2.5" SATA hot-swap caddy Or 2x 2.5" NVMe hot-swap caddy 2 x M.2 Socket 3
PSU	1300W Dual Redundant
Depth	720mm



## 2U - FPGA

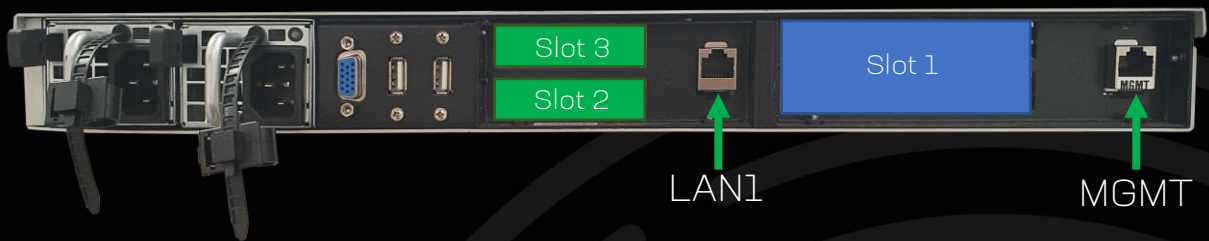


CPU	Intel® Core™ i9-10900X - Intel® Core™ i9-10980XE
CPU Frequency	up to 18 Cores @ 4.9GHz [all-core]
Cache	24.75MB @ 3.2GHz
Chipset	X299
RAM	Up to 256GB of latency tuned high performance DDR4
PCIe	Slot 1 - Physical x16, Electrical x16, FHFL Double Width Slot 2 - Physical x16, Electrical x16, HHFL Single Width
LAN	LAN1 - 1Gbe RJ45 MGMT - 1Gbe RJ45, Aspeed AST2500 IPMI. Can also be used as LAN2
Rear I/O	1 x VGA 2 x USB 3.1 Gen 2 (Type-A + USB Type-CTM) 4 x USB 3.1 Gen 1 4 x USB 2.0 1 x USB BIOS Flashback® Button
RAID	Onboard RAID 0, 1, 5, 10 Hardware RAID optional
Storage	4 x 2.5" SATA hot-swap caddy Or 2x 2.5" NVMe hot-swap caddy 2 x M.2 Socket 3
PSU	1300W Dual Redundant
Depth	720mm



## 1U - Standard

Hot-swap  
Caddy



CPU	Intel® Core™ i9-10900X - Intel® Core™ i9-10980XE
CPU Frequency	up to 18 Cores @ 4.7GHz (all-core)
Cache	24.75MB @ 3.2GHz
Chipset	X299
RAM	Up to 256GB of latency tuned high performance DDR4
PCIe	Slot 1 - Physical x16, Electrical x16, FHFL Double Width Slot 2 - Physical x8, Electrical x8, HHFL Single Width Slot 3 - Physical x8, Electrical x8, HHFL Single Width
LAN	LAN1 - 1Gbe RJ45 MGMT - 1Gbe RJ45, Aspeed AST2500 IPMI. Can also be used as LAN2
Rear I/O	1 x VGA 2 x USB 2.0
RAID	Onboard RAID 0, 1, 5, 10 Hardware RAID optional
Storage	4 x 2.5" SATA hot-swap caddy Or 2x 2.5" NVMe hot-swap caddy 2 x M.2 Socket 3
PSU	1300W Dual Redundant
Depth	720mm

