



Alder Lake HFT Server



8

CPU
CORES

UP TO

5.4GHz

CLOCKSPEED

UP TO

64GB

RAM

2U
3U

Latency
optimised
RAM

30MB
Cache @
5.0GHz

FPGA compatible.
Proven & Reliable overclocking technology.

Our Alder Lake server features Intel's latest desktop platform - The blazing fast Intel® Core™ i9-12900K and the limited edition i9-12900KS variant where available.

The Alder Lake platform boasts 15% IPC gains over the previous generation and the introduction of blazing fast DDR5 RAM.

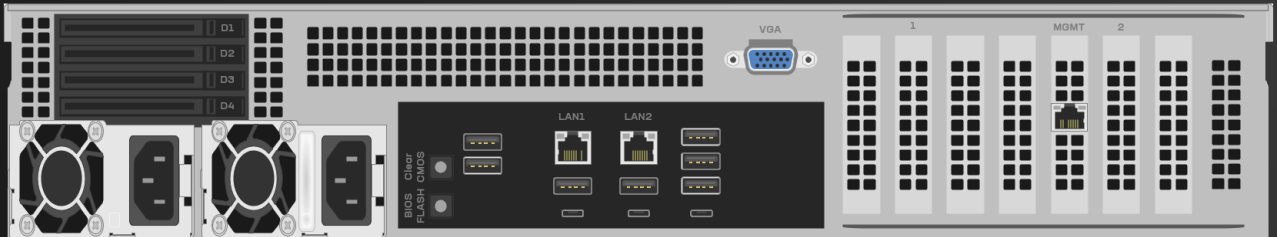
As always, we've taken Intel's fastest CPU yet and made it even faster. Clocking in at up to 5.2GHz across all 8 cores it's super quick (or 5.4GHz on KS). Combined with up to 5.0GHz cache speed, this server is the fastest we've launched to date.



Alder Lake HFT Server

2U - Standard

blackcore
by exacta



CPU	Intel® Core™ i9-12900K / i9-12900KS
CPU Frequency	Up to 8 Cores @ 5.2GHz (all-core) / 5.4GHz for KS
Cache	30MB @ 5.0GHz
Chipset	Z690
RAM	Up to 64GB of latency tuned high performance DDR5
PCIe	Slot 1 - Physical x16, Electrical x16, HHFL Double Width (Electrical x8 when Slot2 is populated) Slot 2 - Physical x16, Electrical x8, HHFL Single Width
LAN	1 x Intel® 2.5Gb Ethernet 1 x Marvell® 10Gb Ethernet 1 x RJ45 Dedicated IPMI LAN
Rear I/O	1 x VGA 1 x HDMI port 8 x USB 3.2 Gen 2
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 M
PSU	1300W Dual Redundant
Depth	720mm

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3U - FPGA



CPU	Intel® Core™ i9-12900K / i9-12900KS
CPU Frequency	up to 8 Cores @ 5.2GHz (all-core) / 5.4GHz for KS
Cache	30MB @ 5.0GHz
Chipset	Z690
RAM	Up to 64GB of latency tuned high performance DDR5
PCIe	Slot 1 - Physical x16, Electrical x16, FHFL Double Width (Electrical x8 when Slot2 is populated) Slot 2 - Physical x8, Electrical x8, FHFL Single Width
LAN	1 x Intel® 2.5Gb Ethernet 1 x Marvell® 10Gb Ethernet 1 x RJ45 Dedicated IPMI LAN
Rear I/O	1 x VGA 1 x HDMI port 8 x USB 3.2 Gen 2
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 M
PSU	1300W Dual Redundant
Depth	720mm