

# Raptor Lake

High Performance Server



8

CPU  
CORES

UP TO

5.8GHz

CLOCKSPEED

UP TO

128GB

RAM

2U  
3U

Latency  
optimised  
RAM

30MB  
Cache @  
5.0GHz

**FPGA compatible.  
Proven & Reliable overclocking  
technology.**

Our Raptor Lake server features Intel's latest desktop platform - The blazing fast Intel® Core™ i9-13900KS.

The Raptor Lake platform improves upon the already impressive Alder Lake platform, bring significant clock speed improvements, and unbelievable DDR5 speeds.

As always, we've taken Intel's fastest CPU yet and made it even faster. Clocking in at up to 5.8GHz across all 8 cores it's super quick. Combined with up to 5.0GHz cache speed, this server is the fastest we've launched to date.



# Raptor Lake

## High Performance Server 2U - Standard

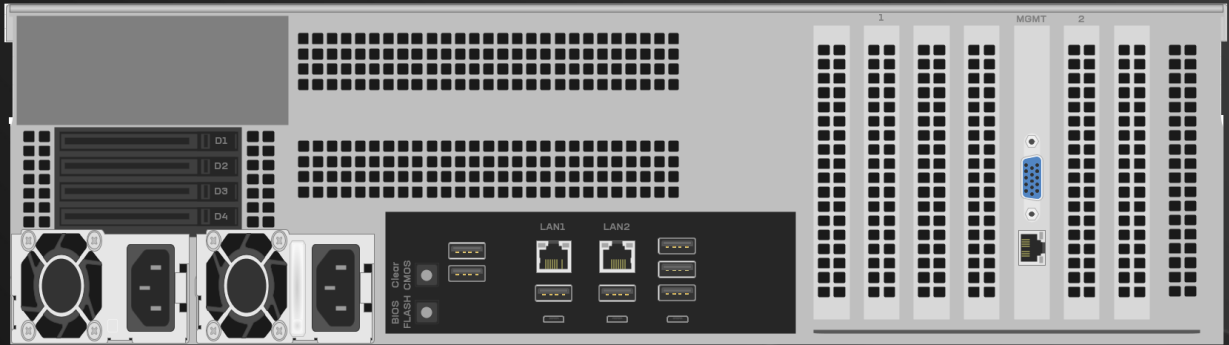


<b>CPU</b>	Intel® Core™ i9-13900KS
<b>CPU Frequency</b>	Up to 8 Cores @ 5.8GHz (all-core) SSE
<b>Cache</b>	36MB @ 5.0GHz
<b>Chipset</b>	Z790
<b>RAM</b>	Up to 128GB of latency tuned high performance DDR5
<b>PCIe</b>	Slot 1 - Physical x16, Electrical x16, HHFL Double Width (Electrical x8 when Slot2 is populated) Slot 2 - Physical x16, Electrical x8, HHFL Single Width
<b>LAN</b>	1 x Intel® 2.5Gb Ethernet 1 x Marvell® 10Gb Ethernet 1 x RJ45 Dedicated IPMI LAN
<b>Rear I/O</b>	1 x VGA 1 x HDMI port 8 x USB 3.2 Gen 2
<b>RAID</b>	Onboard RAID 0, 1, 5, 10 Optional Hardware RAID 0,00,1,10 - no cache Optional Hardware RAID 0,00,1,10,5,6,60 - 4GB cache
<b>Storage</b>	4 x 2.5" SATA hot-swap caddy <b>OR</b> 2x 2.5" NVMe hot-swap caddy 2 x M.2 Socket M
<b>PSU</b>	1300W Dual Redundant
<b>OS Compatibility</b>	Recommended - RHEL 8.6+
<b>Management Tools</b>	AMI SCE, Redfish
<b>Depth</b>	720mm

# Raptor Lake

## High Performance Server

### 3U - FPGA



<b>CPU</b>	Intel® Core™ i9-13900KS
<b>CPU Frequency</b>	up to 8 Cores @ 5.8GHz (all core) SSE
<b>Cache</b>	36MB @ 5.0GHz
<b>Chipset</b>	Z790
<b>RAM</b>	Up to 128GB of latency tuned high performance DDR5
<b>PCIe</b>	Slot 1 - Physical x16, Electrical x16, FHFL Double Width (Electrical x8 when Slot2 is populated) Slot 2 - Physical x16, Electrical x8, FHFL Single Width
<b>LAN</b>	1 x Intel® 2.5Gb Ethernet 1 x Marvell® 10Gb Ethernet 1 x RJ45 Dedicated IPMI LAN
<b>Rear I/O</b>	1 x VGA 1 x HDMI port 8 x USB 3.2 Gen 2
<b>RAID</b>	Onboard RAID 0, 1, 5, 10 Optional Hardware RAID 0,00,1,10 - no cache Optional Hardware RAID 0,00,1,10,5,6,60 - 4GB cache
<b>Storage</b>	4 x 2.5" SATA hot-swap caddy <b>OR</b> 2x 2.5" NVMe hot-swap caddy 2 x M.2 Socket M
<b>PSU</b>	1300W Dual Redundant
<b>OS Compatibility</b>	Recommended - RHEL 8.6+
<b>Management Tools</b>	AMI SCE, Redfish
<b>Depth</b>	720mm