# SPR-X

## High Performance Server

intel **XEON**

**Red Hat**
Ready
**Business Partner**
Solution Provider

## 56
### CPU CORES

### UP TO
## 4.2GHz
### CLOCKSPEED

### UP TO
## 384GB
### RAM

**2U 3U**

**Latency Optimized RAM**

**105MB Cache @ 2.7GHz**

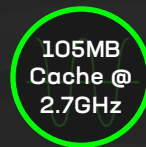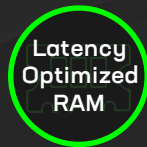**FPGA Compatible**

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

4th Gen Intel® Xeon® Scalable is here and with it the biggest computational performance jump in recent years. This stacked SKU range contains a brand-new set of workstation CPUs that are set to replace the dated X299 HEDT architecture.

The first overclockable workstation parts from Intel since 2019, the Intel® Xeon® W-3400 series – codenamed 'Sapphire Rapids', or 'SPR' - promises incredible IPC and a range of new optimizations.
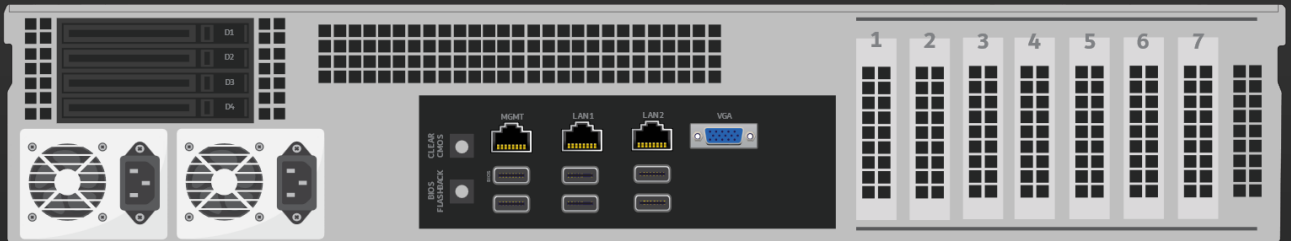
Our G3 SPR-X server targets high-density single-NUMA workloads with heavy cache usage. Our tuned Intel® Xeon® w7-3495X boasts up to 4.2GHz across all 56 cores and 105MB of cache running at 2.7 GHz.

- Octal Channel DDR5 ECC RDIMM
- True IPMI Management Solution
- Redfish Support
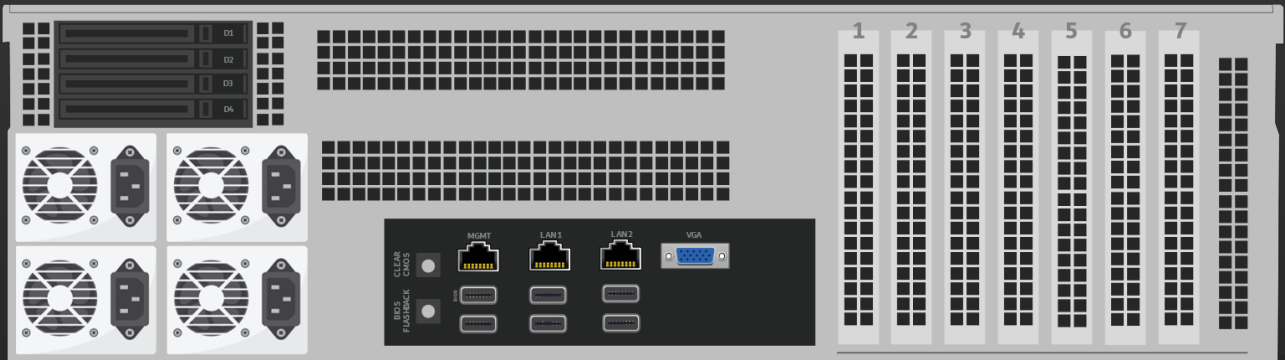
# SPR-X

## High Performance Server
## 2U - Standard



| | |
|---|---|
| **CPU** | Intel® Xeon® w9-3495X |
| **CPU Frequency** | Up to 56 Cores @ 3.8GHz (all-core) SSE |
| **Cache** | 105MB @ 2.7GHz |
| **Chipset** | W790 |
| **RAM** | Up to 256GB of DDR5 ECC RDIMM<br>Up to 384GB Overclocked ECC RDIMM |
| **PCIe** | Slot 1 – Physical x16, Electrical x16, HHFL Single Width<br>Slot 2 – Physical x16, Electrical x16, HHFL Single Width<br>Slot 3 – Physical x16, Electrical x16, HHFL Single Width<br>Slot 4 – Physical x16, Electrical x16, HHFL Single Width<br>Slot 5 – Physical x16, Electrical x16, HHFL Single Width<br>Slot 6 – Physical x16, Electrical x8, HHFL Single Width<br>Slot 7 – Physical x16, Electrical x16, HHFL Single Width |
| **LAN** | 2 x RJ45 Intel® X710 - 10Gb Ethernet<br>1 x RJ45 Dedicated IPMI LAN (AST 2600) |
| **Rear I/O** | 1 x VGA<br>6 x USB Ports |
| **RAID** | Onboard RAID 0, 1, 5, 10<br>Optional Hardware RAID 0,00,1,10 - no cache<br>Optional Hardware RAID 0,00,1,10,5,6,60 - 4GB cache |
| **Storage** | 4 x 2.5" SATA **OR** 2 x 2.5" NVMe hot-swap caddy<br>3 x M.2 Socket M |
| **OS Compatibility** | Minimum - RHEL 7.8+<br>Recommended - RHEL 9.1+ |
| **Management Tools** | AMI SCE, Redfish |
| **PSU** | 1300W Dual Redundant |
| **Dimensions** | 88 x 438 x 720mm (H x W x D) |

G3

# SPR-X

## High Performance Server
## 3U - FPGA



| | |
|---|---|
| **CPU** | Intel® Xeon® w9-3495X |
| **CPU Frequency** | Up to 56 Cores @ 4.2GHz (all-core) SSE |
| **Cache** | 105MB @ 2.7GHz |
| **Chipset** | W790 |
| **RAM** | Up to 256GB of DDR5 ECC RDIMM<br>Up to 384GB Overclocked ECC RDIMM |
| **PCIe** | Slot 1 – Physical x16, Electrical x16, FHFL Single Width<br>Slot 2 – Physical x16, Electrical x16, FHFL Single Width<br>Slot 3 – Physical x16, Electrical x16, FHFL Single Width<br>Slot 4 – Physical x16, Electrical x16, FHFL Single Width<br>Slot 5 – Physical x16, Electrical x16, FHFL Single Width<br>Slot 6 – Physical x16, Electrical x8, FHFL Single Width<br>Slot 7 – Physical x16, Electrical x16, FHFL Single Width |
| **LAN** | 2 x RJ45 Intel® X710 - 10Gb Ethernet<br>1 x RJ45 Dedicated IPMI LAN (AST 2600) |
| **Rear I/O** | 1 x VGA<br>6 x USB Ports |
| **RAID** | Onboard RAID 0, 1, 5, 10<br>Optional Hardware RAID 0,00,1,10 - no cache<br>Optional Hardware RAID 0,00,1,10,5,6,60 - 4GB cache |
| **Storage** | 4 x 2.5" SATA **OR** 2 x 2.5" NVMe hot-swap caddy<br>3 x M.2 Socket M |
| **OS Compatibility** | Minimum - RHEL 7.8+<br>Recommended - RHEL 9.1+ |
| **Management Tools** | AMI SCE, Redfish |
| **PSU** | 2 x 1300W Dual Redundant |
| **Dimensions** | 132 x 438 x 720mm (H x W x D) |

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partner
Titanium

G3