

**PROCESSOR**Intel® Core™  
i9 10th Gen**CORES**10 or 18  
Cores Active**MEMORY**4 x or 8 x  
32GB DDR4**HYPER-SPEED  
RAM**Up to  
3200MHz**BASE CPU**3.0GHz  
or 3.7GHz**HYPER-SPEED  
CPU**Up to  
5.3GHz

# XENON eXtreme™ G3 HFT Servers

## World-class Performance

Overclocked up to 5.3GHz  
with 10 or 18 Cores Active



## Greater Reliability

New cooling subsystem  
delivers over  
20% improvement



## Latency Optimised

Optimised BIOS & Linux  
OS to deliver deterministic  
low jitter latency



## Greater Expandability

Supporting up to  
2 adapters  
1 x LP/HL and 1 x FH/HL





## Support and Warranty

24 x 7 Global  
Onsite Support  
Options



## Specifications



Model	XENON eXtreme™ RX990i G3 10 Cores 5.3GHz Solo 1U HFT Server	XENON eXtreme™ RX993i G3 10 Cores 5.1GHz Solo 1U HFT Server	XENON eXtreme™ RX998i G3 18 Cores 5.0Ghz Solo 1U HFT Server
CPU	Single Intel® Core™ i9-10900K (Comet Lake) 10 Cores 3.7GHz 20MB L3 Cache 125W Up to 5.3GHz (10 Active Cores)	Single Intel® Core™ i9-10900X (Cascade Lake X) 10 Cores 3.7GHz 19.25MB L3 Cache 165W Up to 5.1GHz (10 Active Cores)	Single Intel® Core™ i9-10980XE (Cascade Lake X) 18 Cores 3.0GHz 24.75MB L3 Cache 165W Up to 5.0GHz (18 Active Cores)
Memory	Up to 4 x 32GB DDR4-3200MHz UDIMM	Up to 8 x 32GB DDR4-3200MHz UDIMM	
CPU Cooling	XENON Closed Loop 1U XLT Cooler		
Storage Expansion	4 x Hot-Swap 2.5" Drive Bays		
Storage Controller	Integrated Intel® 4 port SATA3 6Gb/s	Integrated Intel® 6 port SATA3 6Gb/s	
Input / Output	1 PCIe 3.0 x16 (x8 signal with LP/HL NIC) 1 PCIe 3.0 x16 (x8 signal with FH/HL NIC) 4 x USB 3.0 (Rear), 1 DisplayPort, 1 HDMI port	1 PCIe 3.0 x16 (x16 signal with LP/HL NIC) 1 PCIe 3.0 x16 (x8 signal with FH/HL NIC) 4 x USB 3.0 (Rear), 1 VGA port	
LAN	Single LAN with Intel® Ethernet Controller PHY i219V Single LAN with Aquantia® AQC107 10G Ethernet Controller	Single LAN with Intel® Ethernet Controller I210-AT / IPMI shared Single LAN with Aquantia® 5G LAN chip AQC108	
PSU	750W Platinum Redundant PSU		
Remote Management	Not Available	IPMI with iKVM and Redfish	
XENON Support & Warranty	24 x 7 Global Onsite Support Options in Many Geo's, with 4-Hour, NBD, or Return to Base SLAs		
Rear Chassis View			

## XENON eXtreme™ High Frequency Trading Solutions

XENON has a strong track record in providing innovative High Frequency Trading (HFT) solutions to leading firms within global financial markets. Successfully tried and tested in our labs, the XENON eXtreme™ HFT server line has met and matched real-world HFT conditions for our customers across Australia, Asia, Europe and the Americas. High Frequency Trading has become a critical operation within global financial markets. XENON's eXtreme™ HFT servers are customised to deliver more than 30% lower latency than standard off-the-shelf servers, providing a competitive edge to our clients in an industry that requires ultra-low-latency for market makers to get maximum performance and a return on their investment.

### XENON's eXtreme HFT Server Solutions are:

- Designed specifically for low latency algorithmic trading by selecting best of breed components
- Designed for maximum performance with safely over-clocked processors and memory
- Every unit tested extensively for durability to ensure 24 x 7 operating time
- A scalable architecture with predictable performance that adjusts to meet business requirements
- Equipped to handle extremely volatile periods of market activity without loss or downtime
- Certified by local authorities for use in China (CCC) and Korea (KC)



## XENON HFT Partners



### Intel

Latest range of High performance CPUs, overclocked with XENON proprietary BIOS.



### Arista

From 10 to 100 Gb/s, Arista switches redefine scalability, agility and resilience.



### Xilinx

Xilinx FPGA Accelerator Cards provide optimised acceleration for compute workloads in HFT and algorithmic trading.



### Cisco

Compute, Switches and networking equipment for high performance environments.



### CSPI Myricom

The CSPI Myricom adapters provide high throughput, low-latency NICs.



### NVIDIA

GPU acceleration for data analytics, AI and machine learning in algorithmic development.



### Metamako

Metamako specialises in solutions for latency sensitive businesses.



### Solarflare

Lowest latency networking solutions. High performance 10GbE adapters and OpenOnload® application.



### Exablaze

Low latency Exalink Fusion switches and ExaNIC range of network adapters.



### Meinberg

Leading providers of professional time and frequency synchronisation tools.



### For more information: Sunil Khanna

Global Business Development Manager, HFT

**M:** +61 401 844 375 | **P:** +61 3 9549 1141

**E:** sunilk@xenon.com.au

Get Started Today

### XENON Systems Pty Ltd

10 Westall Road, Clayton South, VIC 3169, Australia

**E:** hft@xenon.com.au | [www.xenon.com.au/HFT](http://www.xenon.com.au/HFT)

**Australia:** 1300 888 030 | **International:** +61 3 9549 1111