PROCESSOR	CORES	MEMORY	HYPER-SPEED RAM	BASE CPU	HYPER-SPEED CPU	FPGA
Intel® Core™ i9 10980XE	18 Cores Active	8 x 32GB DDR4	Up to 3200MHz	3.0GHz	Up to 5.0GHz	Xilinx® Alveo™ U50

NEW

XILINX®

intel CORE i9 10TH GEN

XENON eXtreme™ RX998i G3 FPGA Server

World-class Performance
Overclocked up to 5.0GHz with 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 Xilinx Alveo U50,
1 x Solarflare XtremeScale NIC

Support and Warranty
24 x 7 Global Onsite Support Options

25 YRS OF HPC | XENON® High Performance Computing

www.xenon.com.au
info@xenon.com.au
1300 888 030

Specifications

Model	XENON eXtreme™ RX998i G3 18 Cores 5.0Ghz Solo 1U FPGA Server
Performance	• **Overclocked:** Up to 5.0GHz with 18 Cores Active • **Hyper-speed RAM:** Up to 3200MHz
CPU	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 8 x 32GB DDR4-3200MHz UDIMM
CPU Cooling	XENON Closed Loop 1U XLT Cooler
Dual Expansion Slots	1 x Xilinx® Alveo™ U50 (x16 signal LP/HL) 1 x Solarflare XtremeScale NIC (x8 signal FH/HL)
Storage Expansion	4 x Hot-Swap 2.5" Drive Bays
Storage Controller	Integrated Intel 6 port SATA3 6Gb/s
Input / Output	4 x USB 3.0 (Rear), 1 VGA port
LAN	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	IPMI with iKVM and Redfish

Xilinx® Alveo™ Features:
• UltraScale+ Architecture
• 8GB HBM2 Memory, 460 GB/s
• QSFP 28 (100GbE)
• <75W

XENON eXtreme™ RX998i G3

This Intel® Core™ i9 Cascade Lake X system delivers 18 Cores, 24.75MB of L3 cache. Overclocked with XENON proprietary BIOS and XENON closed loop liquid cooling, this complete FPGA system is engineering and tested so every part works in harmony to deliver a consistent 5.0GHz speed and low latency connectivity. Configured with Xilinx® Alveo™ U50 accelerator card, Solarflare XtremeScale NIC, up to 256 DDR4 UDIMM memory, 4 x hot swappable 2.5" drive bays, this system delivers scale and capacity for all your FPGA trading requirements.

XENON's eXtreme FPGA Server Solutions are:
• Designed specifically for low latency FPGA algorithmic trading by selecting best of breed components
• Designed for maximum performance with safely overclocked processors and memory
• 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
• Compact 1 Rack Unit (RU) design
• Backed by 24 x 7 Global Onsite Warranty Support Options
• Certified by local authorities for use in China (CCC) and Korea (KC)

For a Quote on Your System
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