



XENON eXtreme High Frequency Trading Servers with up to 30% lower latency

High-frequency trading (HFT) has become an important function within global financial markets. Trading volumes are on the rise and HFT is the largest contributor. **Speed is the most important differentiator in HFT.** Therefore, it is critical to establish the lowest possible latency between processing environments.

XENON has released their eXtreme line of servers aimed at High Frequency Trading applications. Utilising over-clocked, memory tuning, and innovative cooling efficiencies they have gained up to 30% decrease in latency – without compromising reliability.

KEY BENEFITS

- Equipped to handle extremely volatile periods of market activity without loss
- Maximum performance due to CPU and memory over-clocking
- Built with best of breed components
- A scalable architecture with predictable performance
- Tested extensively for durability
- Designed for optimum airflow
- 24 x 7 operating time



SPECIFICATIONS

RADON Solo RX860 eXtreme 2U Server

RADON Duo RX1470 eXtreme 2U Server

PERFORMANCE		
FORM FACTOR	2U Server	
CHIPSET	Intel® Z87 Chipset	Intel® C602 Chipset
PROCESSOR	Intel® Core i7 4770K/3.50GHz, safely overclocked to 4.50GHz /4Cores/8MB/LGA1150/TDP=95W	Dual Intel® Xeon® processor E5-2687W v2, 3.40GHz, safely overclocked to 3.74GHz /8Cores/25MB/LGA2011/TDP=150W
COOLING SYSTEM	High Performance Maintenance Cooling System	
MEMORY CAPACITY	Up to 32GB in 4 memory slots	Up to 256GB in 16 memory slots
MEMORY TYPE	DDR3 1866/1600/1333 MHz Non-ECC, Un-buffered Memory	DDR3 1866/1600/1333 MHz ECC Registered Memory
MEMORY SIZE	4GB and 8GB DIMMS	8GB DIMMS
CONTROL BUTTONS	Power, Reset	
NETWORK	Intel® I217V, 1 x Gigabit LAN Controller	Intel® I350, 2 x Gigabit LAN Controller
CONTROLLER FEATURES		
STORAGE CONTROLLER	Intel® Z87 SATA Controller	Intel® C602 SATA Controller
	6 x SATA 6Gb/s port(s), brown, Support Raid 0, 1, 5, 10, Supports Intel® Smart Response Technology, Intel® Rapid Start Technology, Intel® Smart Connect Technology	
DRIVE BAYS		
DRIVE BAYS	8x HotSwap 3.5" SAS2 HDD bays	
MAX INTERNAL STORAGE	32TB	
HARD DRIVE TYPE	SAS / SATA / SSD	
EXPANSION SLOTS	2 x PCIe 3.0/2.0 x16 (x16 or dual x8), 1 x PCIe 2.0 x16 (x4 mode, black), 3 x PCIe x1	2 x PCIe 3.0 x16, 3 x PCIe 3.0 x16, 1 x PCIe 2.0 x8 (x4 mode)
I/O PORTS	1 x DisplayPort, 1 x HDMI, 2 x eSATA 6Gb/s, 1 x LAN RJ45 port, 4 x USB 3.0 (blue), 4 x USB 2.0, 1 x Optical S/PDIF out	1 x VGA, 2 x LAN RJ45 port, 1 x Dedicated IPMI RJ45 port, 2 x USB 3.0 (blue), 4 x USB 2.0, 1 x Optical S/PDIF out
MANAGEMENT TOOLS	IPMI 2.0 via Remote Management PCI Card	Embedded IPMI 2.0 with iKVM
POWER SUPPLY	740W 80PLUS Platinum Level (94%) Redundant PSU	1280W 80PLUS Platinum Level (94%) Redundant PSU
AUDIO		
CODEC	Realtek® ALC1150 8-Channel High Definition Audio CODEC	RealTek® ALC889 7.1 High Definition Audio with S/PDIF header
ENVIRONMENT		
OPERATING TEMPERATURE	10°C to 35°C Humidity 8% to 90% (non-condensing)	
NON-OPERATING TEMPERATURE	-40°C to 70°C Humidity 5% to 95% (non-condensing)	
RACK DIMENSIONS		
DIMENSIONS (HEIGHT X WIDTH X DEPTH)	3.5" (89mm) x 17.2" (437mm) x 25.5" (648mm)	3.5" (89mm) x 17.2" (437mm) x 27.8" (705mm)
WEIGHT	24kg	25kg
OS SUPPORT	Windows® 7, Windows® 8, Windows® 8.1, Linux 6.0+	Windows® 7/8/8.1, Windows 2008/2012 Server, Linux 6.0+

The XENON Advantage

XENON provides enterprises of all sizes with customised, innovative high performance storage and server solutions that are secure, scalable and reliable. All customers receive the highest level of direct support through XENON's strong partner relationships and specialised expertise.