



THE RACE TO ZERO HAS BEGUN...

INTRODUCING THE WORLD'S LEADING ENTERPRISE CLASS,
AIR-COOLED, FREQUENCY-OPTIMISED SERVER

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Race-Zero.com

SPECIFICATIONS IN BRIEF

- 4.6 GHz on all 8-cores/16-threads
- 4.6 GHz on all 6-cores/12-threads
- 5 available low profile, full length PCI Express expansion slots
- Dual redundant 750W Gold efficiency power supplies
- 4x Hot-Swap 3.5/2.5inch drive bays
- Optional 4xNVMe backplane U.2 SDD backplane
- 2U Japanese steel server chassis, 690mm depth
- 1 year RTB warranty, optional advance replacement uplift

ENGINEERED FOR PERFORMANCE AND RELIABILITY

Race to Zero's RZ range of tuned x86 servers are designed for applications that are dependent on speed and latency, such as quantitative trading algorithms used by HFT's (High Frequency Trading Firms).

The RZ range of servers are the only solution in their class giving unrivalled performance of up to 4.6GHz on 8 cores utilising Intel's i7 and Xeon architecture.

RZ's cooling methods, "Turbo" heat dissipation technology, enable you to optimise the performance of the entire system; extracting heat from the rear of the chassis without the use of a mid-system radiator. This ensures your server remains stable for longer, enabling you to focus on the processes and performance of your applications and not your hardware.



RZ-HFT3-1000 SERIES

SOLUTION KEY FEATURES

- RZ's proprietary "Turbo" air-cooled heat dissipation technology
- **Single Intel® Xeon® E5-1660v3 processor** with 8-cores/16-threads
- Up to 4.6GHz on all 8-cores/16-threads
- **Intel® Core™ i7-5960X processor** "Extreme Edition"
- Up to 4.6GHz on all 8-cores/16-threads
- **Single Intel® Xeon® E5-1650v3 processor** with 6-cores/12-threads
- Up to 4.6GHz on all 6-cores/12-threads
- Up to 128GB DDR4 – 2133/2400MHz ECC
- Up to 64GB DDR4 – 2666MHz unbuffered
- Up to 32GB DDR4 – 3200MHz unbuffered
- **IPMI 2.0** out-of-band management with KVM over IP
- **5x PCI Express 3.0** low profile slots with configurable lanes (x16/x16/x8 or x8/x8/x8/x8/x8)
- Optional full height riser

- **LAN:** 2x Intel i21-AT plus 1x dedicated BMT Management LAN port
- A maximum 25° C ambient air temperature is required

ON BOARD STORAGE CONTROLLER:

- 1x M.2 socket 3 (Native PCI Express 3.0 x4) 2260/2280 drive type supported
- 6x SATA 6Gb/s
- 1x SATA Express including 2x SATA 6Gb/s

LET RZ TURN UP YOUR FREQUENCY AND BRING DOWN YOUR RISK WITH OUR AIR COOLED TECHNOLOGY.

- 54% INCREASED PROCESSOR PERFORMANCE
- 25% INCREASED PROCESSOR BUS PERFORMANCE
- 50% INCREASED MEMORY PERFORMANCE
- L3 CACHE LATENCY: 27% REDUCTION
- L3 CACHE COPY BANDWIDTH: 51.7% INCREASE



BUILD YOUR OWN GLOBAL SUPPORT SLA

Our global support model is designed to reduce your downtime. If you require a flexible service level or fixed contract for business-critical server support, speak to Race to Zero today about how we can create personalised 24 x 7 x 365 service plan from Advance Hardware Replacement to a four hour fix service.

Contact Support@Race-Zero.com
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DESIGNED AND ENGINEERED IN GREAT BRITAIN