



OVERCLOCKED SERVERS FOR HFT



VEGA R-116i HFT SERVER

We understand what financial services organizations are up against today. Faced with tough competitive realities, increasing regulations large amounts of data, they require a solid IT foundation to meet all their demands. Get your High Frequency Trading [HFT] Server solutions from the experts.

HFT MODELING
& FORECASTING

RISK
ANALYSIS

FINANCIAL STRATEGY
DEVELOPMENT

VIDEO
COMPRESSION

WORLD RECORD
SPEEDS!



- » 8-core Intel® Core 'Raptor Lake' i9-14900K Solution
- » Enterprise Class Global Support
- » Up to 64GB DDR5
- » 1U Rackmount Form Factor
- » Redundant 850W PSU
- » PCI-e 1x 16 or 2x 8
- » Up to 4x 2.5" Drive Bays



ICC VEGA R-116i REVIEW: AN OVERCLOCKED 5GHz LIQUID COOLED HFT SERVER

The ICC Vega R-116i performed well for us running stable throughout the weeks the system has been crunching benchmarks and numbers in our data center lab. The overall build is excellent and you can tell how ICC engineered the various aspects of the system down to small details like putting a skin on the web management tool and using custom DIMMs. For those in the HFT realm or others that need this type of performance, this is an excellent solution.

OVERCLOCKED SERVERS FOR FSI AND HFT WORKLOADS



LOW-LATENCY OPTIMIZED HARDWARE

Latest generation new 13th Gen Intel® Core i9-14900K, the world's fastest desktop processor, taking overclocking performance to the next level.

Memory cards are tested for both speed and timings producing the lowest latency.



MULTIPLE ADD-ON CARD OPTIONS

Our 1u overclock platforms support a variety of GPUs, FPGAs and NICs. Some standard options include NVIDIA Tesla GPUs along with Solarflare, Mellanox and Exablaze NICs



CUSTOMIZED MOTHERBOARD

Customised motherboard combine overclocking with traditional server management tools.



PATENTED COOLING

The heart of the system is patented cooling technology, allowing the system to remove heat and produce faster performance.

| | Vega R116i | Vega R118i |
|---------------------|---|--|
| Processor | 1x Intel Raptor Lake Processor | 1x Intel Sapphire Rapids |
| Processor Speed | 8 core i9-14900K @ up to 5.9GHz | 24 core w-2495 @ up to 4.9GHz 20 core w-2495 @ up to 5.0GHz 56 core w-3495 @ TBD |
| Memory | Up to 64Gb DDR5 | Up to 512Gb DDR5 |
| Power Supply | 850W Redundant PSU | 2000W Redundant PSU |
| Storage | Up to 4x 2.5" Drive Bays. Optional 2 X M.2 | Up to 4x 2.5" Drive Bays or 2x2.5" NVme |
| Networking | 10GbE, 25GbE, 40GbE, 100GbE, 56Gb InfiniBand. Solarflare, Mellanox, Intel, Exablaze | |
| Additional Features | 1 x 16 PCIe or 2 x 8 PCIe | 4 x 16 PCIe gen5 (2x FHFL, 2x LP) |

International Computer Concepts (ICC) builds custom workstations to accelerate Design, Modeling, Rendering and Simulation workflows. Our solutions provide the fastest CPU performance at a competitive price.

