VEGA™ HIGH SPEED TRADING SOLUTIONS

Lenovo has partnered with HFT overclocking experts, International Computer Concepts (ICC), to provide additional solution options for financial services organizations that need to have the highest-performing overclocked solutions.

Faced with tough competitive realities, increasing regulations, changes in technology demands and ever-increasing amounts of data, they require a solid IT foundation to meet all their demands.

ACCELERATE YOUR PRODUCTIVITY WITH A PROCESSING BOOST USING ICC OVERCLOCKED SERVERS

Dedicated Overclocking Team

Overclocked solutions that achieve the fastest sequential processing speeds on the market. With a deep background in overclocking and advanced cooling solutions we can achieve the highest performance for your business.

RAM Optimizations

ICC Vega servers deliver the highest bandwidth and lowest latency available. Memory is pushed to meet stringent requirements, lowering CAS latency and the Command Rate. DIMMs are run through vigorous stress testing and are offered in up to 128 GB per node.

BIOS and Linux Optimizations

ICC channels the thinking of high-frequency traders. We isolate our CPU cores, run them at max performance. Hundreds of changes have been made to the BIOS, OS, and hardware for minimum jitter and maximum speed. Hours of “burn in” testing performed to ensure highest quality systems are shipped.

WHY ICC?

Flexible Support Options

Dedicated Expert Resources

Robust & Secure Supply Chain

World-class Quality Engineering

Global Reach
# VEGA HIGH SPEED TRADING SOLUTIONS

**HIGH-PERFORMANCE, CLOSED-LOOP LIQUID-COOLED SYSTEMS**

## Specifications

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<th>R-116i</th>
<th>R-118i</th>
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<td><strong>PROCESSOR</strong></td>
<td>1x Intel® Raptor Lake</td>
<td>1x Intel® Sapphire Rapids</td>
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| **PROCESSOR SPEED** | 8-core i9-13900KS @ 5.8 GHz                                             | 24-core w-2495 @ 4.9 GHz  
20-core w-2495 @ 5.0 GHz  
56-core w-3495 @ TBD |
| **MEMORY**     | up to 64GB DDR5                                                         | up to 512GB DDR5                                                       |
| **HARD DRIVES** | Up to 4x 2.5" Drive Bays  
Optional 2 X M.2                                                   |                                                                        |
| **STORAGE**    | Standard: Samsung PM883, Intel® S4510 Series or Micron 5300 SSD with Optional: NVMe support |                                                                        |
| **REMOTE**     | IPMI 2.0, media/KVM                                                     |                                                                        |
| **FORM FACTOR**| 1U Rackmount                                                            | 1U Rackmount                                                            |
| **POWER SUPPLY** | Redundant 850W                                                          | Redundant 2000W                                                         |
| **ADDITIONAL FEATURES** | 1 x 16 PCIe or  
2 x 8 PCIe                                                   | 4 x 16 PCIe gen5  
(2x FHFL, 2x LP) |

## Smarter Solutions and Services

*The joint goal for Lenovo and ICC is to enhance your power, flexibility and scale.*

## Worldwide Logistics

- ICC supports all major financial locations globally
- ICC has flexible options for local spare stocking
- ICC is part of Lenovo’s Trusted Supplier Program

## Global Support

- Expert-level technical support via ICC
- End-to-end case management
- Faster, first-time resolution

## Asset Recovery Service Solutions

- Maximize the value potential of your end of life assets through efficient, safe and environmentally sound and compliant hardware recycling and secure data disposition
- Carbon Offset credits
- Customized Service Solutions