

# 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



<b>PROCESSOR</b>	1x Intel® Raptor Lake	1x Intel® Sapphire Rapids
<b>PROCESSOR SPEED</b>	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
<b>MEMORY</b>	up to 64GB DDR5	up to 512GB DDR5
<b>HARD DRIVES</b>	Up to 4x 2.5" Drive Bays Optional 2 X M.2	
<b>STORAGE</b>	Standard: Samsung PM883, Intel® S4510 Series or Micron 5300 SSD with Optional: NVMe support	
<b>REMOTE</b>	IPMI 2.0, media/KVM	
<b>FORM FACTOR</b>	1U Rackmount	1U Rackmount
<b>POWER SUPPLY</b>	Redundant 850W	Redundant 2000W
<b>ADDITIONAL FEATURES</b>	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	GLOBAL SUPPORT	ASSET RECOVERY SERVICE SOLUTIONS
<ul style="list-style-type: none"> <li>ICC supports all major financial locations globally</li> <li>ICC has flexible options for local spare stocking</li> <li>ICC is part of Lenovo's Trusted Supplier Program</li> </ul>	<ul style="list-style-type: none"> <li>Expert-level technical support via ICC</li> <li>End-to-end case management</li> <li>Faster, first-time resolution</li> </ul>	<ul style="list-style-type: none"> <li>Maximize the value potential of your end of life assets through efficient, safe and environmentally sound and compliant hardware recycling and secure data disposition</li> <li>Carbon Offset credits</li> <li>Customized Service Solutions</li> </ul>