

ORION HF210-G5

high-frequency server

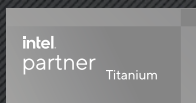
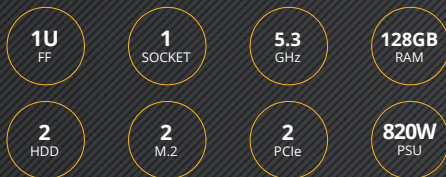


Extreme **Performance** and **Low Latency**

ORION HF210-G5

high-frequency server

CIARA offers high performance & reliable high frequency servers designed specifically for HFT and Quantitative Investing. The ORION HF server product lineup is perfect for your ultra-low latency application environments.



Form Factor	1U		
Chipset	Intel® Z490		
Processor	Intel® Core™ i9-10900KF - 10 Cores Overclocked Up to 5.3GHz*, 20.00 MB Cache, LGA1200 Highly Overclocked L3 Cache (Ring Architecture)		
Cooling System	High Performance Liquid Cooled System, Closed Loop and Maintenance Free		
Memory	Up to 128 GB (4x 32GB) DDR4-3600MHz non-ECC Dual Channel Low Latency CAS Memory		
Network Controller	(2) Intel® X710 10GbE RJ45 Port + (1) Intel® i210AT 1GbE RJ45 Port (NCSI) + (1) Dedicated Management 1GbE RJ45 Port		
Storage Controller	Onboard Intel® Z490 Express Chipset SATA 6Gbps Controller Support RAID 0, 1, 5 and 10 Intel® Rapid Storage Technology (Optional Hardware RAID)		
Drive Bays	(2) 2.5" SATA 6Gbps hot-swap drives HDD/SSD (1) M.2 PCIe 3.0 x4 NGFF-2242/2280 (42mm or 80mm) (1) M.2 PCIe 3.0 x4 NGFF-2242/2280/22110 (42mm, 80mm or 110mm)		
Expansion Slots	(1) PCIe 3.0 x16 Full Height Full Length Dual Width (FHFLDW) or (2) PCIe 3.0 x8 Full Height Full Length Single Width (FHFL)		
Validated Network Adapters	SolarFlare / Xilinx X2 Series	Mellanox ConnectX-3, 4, 5 and 6 Series	ExaBlaze ExaNIC X10, X25 and X40 Series
I/O Ports	2x USB 3.1 Gen2 Type-A, 2x USB 3.1 Gen1 Type-A, 1x HDMI DB15, 1x Serial Port DB9, 2 Front USB 3.1 Gen2 2x 10GbE RJ45 LAN, 1x 1GbE RJ45 LAN, 1x 1GbE RJ45 Management LAN		
System Management	AST2500 Advanced Graphics & Remote Management Processor IPMI 2.0 Compliant Web-based user interface for remote management & iKVM Remote, unblocked, BIOS-level access and control		
Chassis Features	Tool-Less Rail kit		
Power Supply	820W Redundant (1+1) High Efficiency 80 PLUS® Platinum		
Environment	Operating: 10°C to 35°C (50°F to 95°F) @ 8% to 80% (non-condensing) Non-operating: -40°C to 60°C (-40°F to 140°F) @ 20% to 95% (non-condensing)		
Dimensions (DxWxH)	30.6" x 17.3" x 1.7" (778mm x 440mm x 44mm)		
Estimated Weight	37.4 lb / 16.5 kg		
Warranty	CIARA's limited hardware warranty includes a one year, parts and labour with return to CIARA USA or Canada. Customers may purchase an extended warranty of up to 3 years on parts and labour with different support levels. Please contact CIARA at 1-877-242-7272 for complete warranty details including limitations and transferability.		
OS Support	Microsoft® Windows® 10, Microsoft® Windows® Server 2019, Linux® RHEL 8.3, CentOS™ 8.3 & Ubuntu 20.04 LTS, support for other versions available upon request.		

*Maximum clock speed may vary depending on applications and workloads.

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