ORION **HF**210-G5
high-frequency server

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

CIARA
a Hypertec brand

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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.

1U FF	1 SOCKET	5.3 GHz	128GB RAM
2 HDD	2 M.2	2 PCIe	600W PSU

intel® CORE i9 10TH GEN

intel® Technology Provider
Platinum 2020

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	(2) USB 3.1 Gen2 Type-A, (2) USB 3.1 Gen1 Type-A, (1) HDMI DB15, (1) Serial Port DB9, (2) 10GbE RJ45 LAN, (1) 1GbE RJ45 LAN, (1) 1GbE RJ45 Management LAN
System Management	AST2500 Advanced Graphics & Remote Management Processor IPMI 2.0 and Redfish 1.6 Compliant Web-based user interface for remote management & iKVM Remote, unblocked, BIOS-level access and control
Chassis Features	QCode for easy troubleshooting Tool-Less Rail kit
Power Supply	600W 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® Server 2016 R2, Microsoft® Windows® Server 2019, Linux® RHEL 7.5 (minimum KERNEL: 3.10.0-862.el7), CentOS™ 7.5 (minimum KERNEL: 3.10.0-862.el7), Debian 9.5 (minimum KERNEL: 4.15), Ubuntu 18.04 (minimum KERNEL: 4.15), support for other versions available upon request.

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

1 (800) 876-0920 | hypertec.com/contact

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