ORION RS620Q-G4
quad node rackmount server
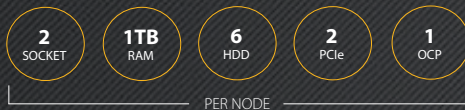
Unprecedented **Reliability** and **Scalability.**

NODE 1

NODE 2

NODE 3

NODE 4

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quad node rackmount server

CIARA offers scalable, reliable and energy-efficient servers designed to accelerate your most critical workloads. The ORION RS server product lineup is ideal for SMBs, enterprises, cloud service providers and data centers.

2 SOCKET	1TB RAM	6 HDD	2 PCIe	1 OCP

PER NODE

CHASSIS

Form Factor	2U 4-node
Drive Bays	Option1: (12) 3.5"/2.5" Hot-swap HDD SATA/SAS Option2: (24) 2.5" Hot-swap HDD SATA/SAS Option3: (16) 2.5" Hot-swap HDD SATA/SAS + (8) U.2
Power Supply	2200 W Redundant (1+1) High Efficiency 80 PLUS® Platinum Certified
Environment	Operating: 10ºC to 35ºC (50ºF to 95ºF) Operating Humidity: 8 to 80% (Non-Condensing) Non-operating: -40ºC to 60ºC Non-operating humidity:20% to 90% (non-condensing)
Dimensions (DxWxH)	32.28 in x 17.2 in x 3.43 in (820 mm x 440 mm x 87 mm)
Estimated Weight	66.98 lb / 25 kg

NODE

Chipset	Intel® C621 Lewisburg
Processor	Dual Intel® Xeon® Processor Scalable Family, Socket P0 (LGA3647) up to 28 cores (maximum TDP of 165W)
Memory Capacity	RDIMM up to 512 GB ; (16) DIMM (Per Node) LRDIMM up to 1,024 GB ; (16) DIMM (Per Node)
Memory Type & Size	RDIMM DDR4 ECC 2666 / 2400 / 2133 MHz 8, 16 and 32 GB LRDIMM DDR4 ECC 2666 / 2400 / 2133 MHz, 32 and 64 GB
Storage Controller	Onboard Intel® C621 (6) SATA III; SW RAID 0/1/10/5 (Available to 2 Port SSATA DOM on MB) Slimline Conn (1) SATA Conn (2) onboard (2) U.2 NVMe
I/O Ports	(2) RJ45, (2) USB 3.0, (1) VGA, (1) MLAN, (1) ID Button with LED
System Management	ASPEED AST2500
Network Controller	Intel® I550, (2) 10GbE ports + (1) dedicated Management port (Option: Support Omni-Path from CPU0/ CPU1)
Expasion Slots	(1) PCIe 3.0 x 16 (low profile, half length), (1) PCIe 3.0 x 8 (low profile, half length) (Per Node) (1) OCP mezzanine (OCP1) (@Gen 3 x 16) from CPU0 (TYPE 1 P1,P2,P3,P4) (Per Node)
OS Support	Microsoft® Windows® Server 2016, Microsoft® Windows® Server 2012 R2, RHEL 7.3 (x64); 6.9 (x64), SuSE® Linux Enterprise Server 12.2 (x64), 11.4 (x64), Ubuntu 16.04.2 LTS (x64), VMware ESXI 6.5

CHASSIS & NODES

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.

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