



ORION RS620-G4

dual socket rackmount server

Form Factor	2U
Chipset	Intel® C621 Lewisburg
Processor	Dual Intel® Xeon® Processor Scalable Family, Socket P0 (LGA3647) up to 28 cores (maximum TDP of 205W)
Memory Capacity	RDIMM up to 768 GB (24 x DIMM) LRDIMM up to 1,536 GB (24 x DIMM)
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
Network Controller	Intel® I350-AM2, (2) GbE ports + (1) dedicated Management port (Option: Support Omni-Path from CPU0/ CPU1)
Storage Controller	Onboard Intel® C621 (14) SATA III; SW RAID 0/1/10/5 (Available to 1 Port SSATA DOM on MB) Slimline Conn (3) SATA Conn (2) onboard (*shared with uplink x8)
Drive Bays	Option1: Front: (10) 3.5"/2.5" Hot-swap HDD SATA/SAS; Rear: (2) 2.5" Hot-swap HDD SATA/SAS Option2: Front: (24) 2.5" Hot-swap HDD SATA/SAS; Rear: (2) 2.5" Hot-swap HDD SATA/SAS Option3: Front: (20) 2.5" Hot-swap HDD SATA/SAS + (4) Hot-swap HDD SATA/SAS/ NVMe; Rear: (2) 2.5" Hot-swap HDD SATA/SAS Option4: Front: (24) Hot-swap NVMe; Rear: (2) 2.5" Hot-swap HDD SATA/SAS
Expansion Slots	(2) PCIe 3.0 x16 (full height, half length), (4) PCIe 3.0 x8 (full height, half length) (2 Riser Cards) Option: (4) U.2 HBA is wired to NVMe Bridge Mezzanine (with PLX) (1) PCIe 3.0 x16 (low profile, half length), (1) PCIe 3.0 x8 (low profile, half length) (1 Riser Card) Option: (4) U.2 HBA is wired to NVMe Bridge Mezzanine (with PLX) (1) OCP mezzanine (OCP1) (@Gen 3 x16) from CPU0 (TYPE 1 , P1,P2,P3,P4) (1) OCP mezzanine (OCP2) (@Gen 3 x16) from CPU1 (TYPE 1 , P1,P2,P3,P4,K2,K3) Option: (4) U.2 mezzanine card is wired to NVMe Bridge Mezzanine (with PLX)
I/O Ports	(3) RJ45, (2) USB 3.0, (1) VGA, (1) MLAN (1) ID Button with LED
System Management	ASPEED AST2500
Power Supply	Option1: 1200W Redundant (1+1) High Efficiency 80 PLUS® Platinum Certified Option2: 1600W Redundant (1+1) High Efficiency 80 PLUS® Platinum Certified
Environment	Operating: 10°C to 35°C (50°F to 95°F) Operating Humidity: 8 to 80% (Non-Condensing) Non-operating: -40°C to 60°C Non-operating humidity: 20% to 90% (non-condensing)
Dimensions (DxWxH)	28.7 in x 17.2 in x 3.44 in (730 mm x 438 mm x 87.5 mm)
Estimated Weight	53.58 lb / 20 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 or visit www.ciaratech.com/terms .
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



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