Rear view

QuantaGrid D52L-1U

Cost Efficient and Performance Optimized Server

- **Unleashing Computing Performance**

- **Additional onboard M.2 SSD for OS Installation**

- **Flexibily and Cost optimized of onboard Network solution**

About QCT

Quanta Cloud Technology (QCT) is a global datacenter solution provider. We combine the efficiency of hyperscale hardware with infrastructure software from a diversity of industry leaders to solve next-generation datacenter design and operation challenges. QCT serves cloud service providers, telecoms and enterprises running public, hybrid and private clouds.

Product lines include hyper-converged and software-defined datacenter solutions as well as servers, storage, switches, integrated racks with a diverse ecosystem of hardware component and software partners. QCT designs, manufactures, integrates and services cutting edge offerings via its own global network. The parent of QCT is Quanta Computer, Inc., a Fortune Global 500 corporation.
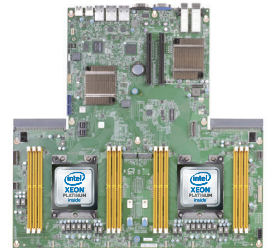
Found at: www.QCT.io/wheretobuy

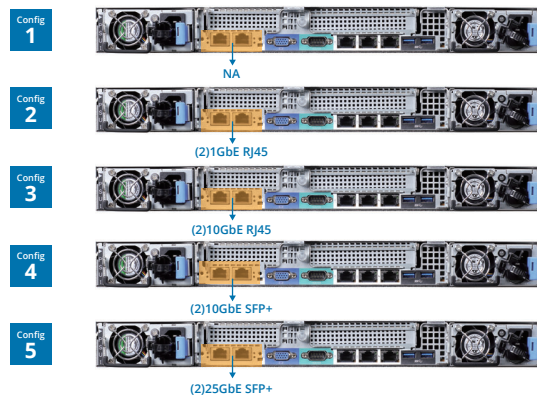Powered by Intel® Xeon® Scalable Processors

Unleashing Computing Performance

- Faster socket interconnects, 1.5x memory bandwidth and 2x FLOPs peak performance capability with Intel® Xeon® Processor Scalable Family.

- Up to 440 vCPUs per server and 3.9x higher virtualized throughput compared with previous platform based on Intel® Xeon® processor E5.

- Up to 2 PCIe expansion slots in a 1U chassis, one HHHL and one FHHL

- Flexible I/O options, including a variety of SAS mezz and OCP NIC options.

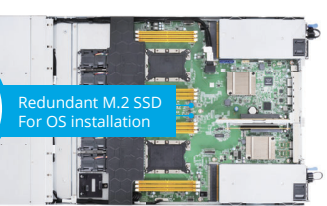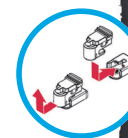**2X** FLOPs Capability

1.5X Memory Bandwidth

Flexible LoM solution with additional Scalable I/O options

Config 1 — NA
Config 2 — (2)1GbE RJ45
Config 3 — (2)10GbE RJ45
Config 4 — (2)10GbE SFP+
Config 5 — (2)25GbE SFP+

- Up to 5 different LoM (LAN on motherboard) solutions. With various controller selections and different speed and technology options from 1GbE to 25GbE bandwidth.

- Flexible SAS controller selection, fulfill RAID requirement.

Redundant M.2 SSD for OS Installation

- Support up to 2x onboard M.2

- Flexible to support both SATA and PCIe M.2 devices

- Easy service with screw less design for both 2280 and 22110 M.2

Redundant M.2 SSD For OS installation

Switch easily for 2280 and 22110 M.2

Quick Deployment and Maintenance

- Intuitive data center management with QCT System Manager (QSM) via integration with industry standard RESTful API and Intel® Rack Scale Design (RSD).

QuantaGrid D52L-1U Specifications

Processor	**Processor Type:** Intel® Xeon® Processor Scalable Family
	Max. TDP Support: Up to 165W TD
	Number of Processors: 2 Processors
	Internal Interconnect: 9.6GT/s, 10.4GT/s
Form Factor	1U Rack Mount
Dimensions	**W x H x D (inch):** 17.24 x 1.7x 29.21
	W x H x D (mm): 438 x 43.2x 742
Weight	**3.5" :** 10.14kg
	2.5" : 9.57kg
Chipset	Intel® C622
Storage	**Internal Storage:** (2) PCIe Gen3x1 or sSATAx1 2280/22110 M.2
	SKU - #1 : 8x 2.5" hot-plug SATA/SAS HDD/SSD
	SKU - #2 : 4x 3.5"/2.5" hot-plug SATA/SAS HDD/SSD + 2x 2.5" 7mm fixed SATA drive
Memory	**Total Slots:** 12
	Capacity: Up to 768GB RDIMM
	Memory Type: 2666 MHz DDR4 RDIMM
	Memory Size: 64GB, 32GB, 16GB, 8GB RDIMM
Expansion Slot	(1) PCIe Gen3 x16 LP MD-2 (CPU0)
	(1) PCIe Gen3 x16 FHHL (CPU1)
Network Controller	**Basic LAN Ports:**
	Lewisburg Integrated Network Solution Dual port 1GbE
	(2) 1000BASE-T using Marvell* 88E1514 external PHY
	Two additional LAN Ports:
	Option 1 : (2) Broadcom chip BCM5720L 1G (RJ45)
	Option 2 : (2) Broadcom chip BCM57416 10G (RJ45)
	Option 3 : (2) Broadcom chip BCM57416 10G (SFP+)
	Option 4 : (2) Broadcom chip BCM57417 25G (SFP28)
Front I/O	(1) Power button w/ LED
	(1) ID button
	(1) Reset button
	(1) Status LED
	(1) ID LED
	(1) HDD LED
	(2) LAN LEDs for 2 Ports Gbe from LBG-1 (not support optional LoM)
	(2) USB 2.0 Ports (LFF SKU Only)

Storage Controller	Intel® C622: (6) SATA 6Gb/s ports
	SATA RAID 0, 1
Power Supply	**Option 1:** (2) High efficiency hot-plug 500W PSU, 80 Plus Platinum
	Option 2: (2) High efficiency hot-plug 800W PSU, 80 Plus Platinum
Onboard Storage	**Option 1:** (2) PCIe Gen3x1 M.2 per node
	Option 2: (2) SATA M.2 per node
Fan	(6) Dual-rotor FAN
	(4) Dual-rotor FAN (Optional, only support CPU 85W-105W CPU)
Video	Aspeed AST 2500 BMC, eSPI interface, 64MB SPI Flash chip (w/o VLN), IPMI 2.0 support, NC-SI support in PHY board
Rear I/O	(2) USB 3.0 ports
	(1) VGA port (BMC AST2500 supports)
	(1) RS232 serial port
	(1) ID LED
	(1) GbE RJ45 management port
	(2) Gbe RJ45 from PCH LBG-1
	(2) LAN Ports (Option, depend on LoM chip solution)
System Management	IPMI v2.0 Compliant, on board "KVM over IP" support
Operating Environment	Operating temperature: 5°C to 35°C (41°F to 95°F)
	Non-operating temperature: -40°C to 65°C (-40°F to 149°F)
	Operating relative humidity: 50% to 85%RH.
	Non-operating relative humidity: 20% to 90%RH
TPM	TPM 1.2/2.0 SPI module