



# QuantaGrid S74G-2U

Breakthrough accelerated performance for giant-scale AI-HPC applications

- Introducing the first gen NVIDIA® MGX™ architecture with modular infrastructure
- Powered by NVIDIA® Grace™ Hopper™ Superchip
- Coherent memory between CPU and GPU with NVLink®- C2C interconnect
- Optimized for memory intensive inference and HPC performance

## 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](http://www.QCT.io/wheretobuy)



Quanta/QCT is the leading partner with NVIDIA in introducing the MGX architecture - an open and future compatible accelerated computing reference architecture designed to allow rapid adoption of key platform technologies including CPUs, GPUs and DPUs. The modular architecture consists of configurable bays that can house different modules to achieve desired configurations. This allows for future hardware solutions with multiple power distribution methods, cooling solutions, including hot or cold aisle configurations.



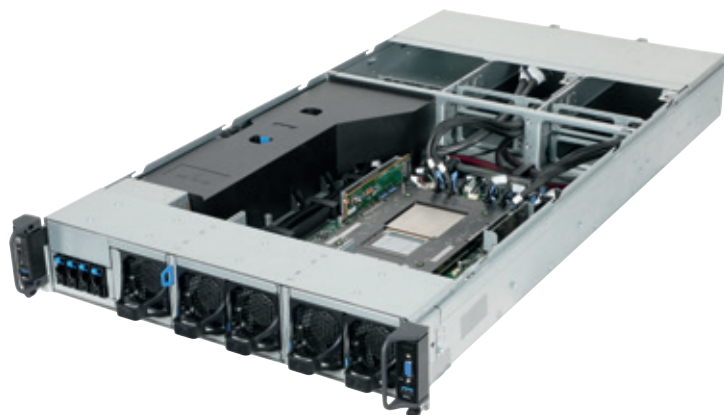
Front View



Rear View



QuantaGrid S74G-2U is the first server to introduce the NVIDIA® Grace™ Hopper™ Superchip in conjunction with NVIDIA® MGX™ architecture. The Superchip combines 72 Arm Neoverse cores connected by NVLink® chip to chip high bandwidth interconnect with the Hopper™ H100 GPU to deliver a coherent memory pool that excels at accelerating AI and high performance computing applications. The modular infrastructure is designed to support multiple system configurations and reduce time to market while providing a compatible platform for future CPU, GPU and DPU solutions.



# QuantaGrid S74G-2U Specifications

**Processor** **Processor Family:** NVIDIA GH200 Grace™ Hopper™ Superchip  
**Processor Type:** NVIDIA Grace™ 72 Arm® Neoverse V2 cores  
**Max. TDP Support:** 1000W  
**Number of Processors:** (1) Processors  
**Internal Interconnect:** NVIDIA® NVLink®-C2C 900GB/s

**Form Factor** 2U Rackmount

**Dimensions** **W x H x D (inch):** 17.24" x 3.44" x 35.43"  
**W x H x D (mm):** 438 x 87.5 x 900mm

**Storage** **Default Configuration :** (4) E1.S NVMe SSD

**Memory** **Capacity:** Up to 480GB LPDDR5 embedded  
96GB HBM3 GPU memory

**Expansion Slot** **Default Configuration:** (3) PCIe 5.0 x16 FHFL Dual Width slots

**Front I/O** Power/ID/Reset Buttons  
Power/ID/Status LEDs  
(2) USB 3.0 ports  
(1) VGA port

**Storage Controller** Broadcom HBA 9500 Series Storage Adaptor  
Broadcom MegaRAID 9560 Series

**Power Supply** 1+1 High efficiency hot-plug 2000W PSU, 80 Plus Titanium

**Onboard Storage** (2) 22110/2280 PCIe M.2

**Fan** (5) 6056 dual rotor fans (N+1 redundant)

**Rear I/O** (1) USB 3.0  
(1) Mini display port  
(1) ID LED  
(1) PWR Button/PWR LED  
(1) COM Port (micro USB type-B)  
(1) RJ45 mgmt port

**Operating Environment** Operating temperature:  
5°C to 35°C (41°F to 95°F)

Non-operating temperature:  
-40°C to 70°C

Operating relative humidity:  
20% to 85%RH

Non-operating relative humidity:  
10% to 95%RH

**TPM** TPM 2.0 SPI module (optional)



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