

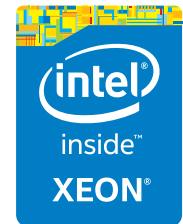
QuantaGrid D51PH-1ULH

Hybrid Scale-Out
High Computing
Storage Server



Rear view

- Ultra Dense 1U chassis with 12x Hot-Swappable HDD
- Outstanding Computing Performance
- Sophisticated Hybrid Architecture for Tier Storage
- High System Serviceability & Manageability



Tailored for hyper-scale datacenters and software defined storage solution, QCT's innovative D51PH-1ULH features hybrid tiered storage architecture in an ultra-dense hot-swappable 1U platform. D51PH-1ULH is a rackmount server based on Intel® Xeon® processor E5-2600 v3 product family and with up to 1TB memory capacity. It is equipped with 12x hot-swappable 3.5" disk drives and 4x hot-swappable 2.5" SATA SSD (7mm).

Ultra Dense 1U High Computing Storage Server

D51PH-1ULH features 12 hot-swappable 3.5" disk drives and 4 SSDs in a 1U chassis, delivering excellent computing performance using a dual Intel® Xeon® E5-2600 v3 processor architecture. D51PH-1ULH provides both extreme storage density and computing power to hyper scale cloud data centers which require not only the large storage capacity but also enterprise class computing capability. It helps IT managers to optimize overall rack and data center space. With its innovative hot-swappable drive design, D51PH-1ULH allows service technicians to service drives with minimum efforts and little to no downtime.

Sophisticated Hybrid Architecture

Caching is a requirement not only in today's software defined storage solution but also virtualization applications to boost performance and IOPs. D51PH-1ULH is equipped with 4x SSDs in addition to 12x 3.5" high capacity disk drives, such hybrid architecture is ideal for tier storage planning which solid-state drives are required to accelerate IOPs and throughput, and not sacrificing large data storage capacity.

Hot-swappable and Easy Service

D51PH-1ULH is designed with delicate architecture to support 12 hot-swappable 3.5" hard drives within a 1U chassis, which provides optimized rack density and also deliver non-disruptive on-site service. With this design, there is no external cable management arm required which significantly reduce the system deployment and rack assembly time, and also simplify the rack cable routing in the rear.

About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers.

Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload.

QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof.

The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

<http://www.QuantaQCT.com>

QuantaGrid D51PH-1ULH



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QCT authorized partner

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Processor	Dual Intel® Xeon® processor E5-2600 V3 family, TDP up to 135W
Chipset	Intel® C610
Memory	(16) 2133/1866/1600/1333MHz DDR4, support 8GB, 16GB and 32GB RDIMM/LRDIMM
Form Factor	1U Rack Mount
Dimensions (WxHxL)	17.6" x 1.7" x 35" (448.2mm x 43.2mm x 881mm)
Expansion Slot	(1) SAS Mezzanine x8 (1) OCP LAN Mezzanine slot x8
Storage	(12) 3.5"/2.5" hot-plug 12Gb/s SAS or 6Gb/s SATA HDD/SSD (4) 2.5" hot-plug 7mm 6Gb/s SATA SSD (1) Internal SATA DOM
Front I/O	(1) USB 2.0 port
Power Supply	700W Platinum PSU, 1+1 redundant power supplies, 100- 240V AC
Fan	(6) 40x56 dual rotor fan
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
Weight (Max. Configuration)	~62.8lb (~28.5 Kg)
Storage Controller	Wellsburg PCH RSTe
Network controller	Intel® I350 dual-port 1 GbE Dedicated 10/100/1000 management port Option: QCT Intel® I350 dual-port OCP mezzanine QCT Intel® X540 dual-port 10GbE BASE-T OCP mezzanine QCT Intel® 82599ES dual-port 10G SFP+ OCP mezzanine QCT Mellanox CX3PRO 10G SFP+ OCP mezzanine with RDMA support
Onboard Storage	(1) SATADOM
Video	Integrated AST2400 with 8MB DDR3 video memory
Rear I/O	(2) USB 3.0 ports (1) VGA port (1) RS232 serial Port (2) 1GbE RJ45 ports (1) GbE RJ45 management port
TPM	Yes (TPM 2.0/1.2, LPC)

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