



QORTEX™

QORTEX DTC Hardware

PRE-INSTALLED SOFTWARE | FROM CENTRALIZED DATACENTERS TO DISTRIBUTED EDGE PROCESSING

Quanergy has a variety of processing platforms to support a range of network architectures and deployment scenarios for Quanergy's QORTEX™ DTC solution. Hardware appliance options support various use cases from centralized data centers to distributed edge processing models. All appliances ship with QORTEX DTC (Detection, Tracking and Classification) pre-installed software and have been tested and qualified for interoperability and performance with Quanergy M8 & MQ-8 sensors and QORTEX perception software.

QSPU

The Quanergy Server Processing Unit (QSPU™) is a standard rackmount appliance suited for large sensor deployments that need enterprise-level reliability and redundancy.



QPU-L7

The Quanergy Processing Unit-L7 (QPU-L7™) is a high performance i7-based ruggedized embedded appliance suitable for edge processing applications. Supports a single location with up to six sensors.



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QSPU



QPU-L7

PARAMETERS	QSPU	QPU-L7
Processing Category	Datacenter	Edge
Maximum Number of M8 & MQ-8 Sensors	18	6
OS	Ubuntu 16.04	Ubuntu 16.04
Processor	Intel Xeon Silver 4114, 10 cores, 2.2 GHz	Intel i7-6700TE, 4 cores, 2.4 GHz
Memory	32 GB DDR4	8 GB DDR4
Storage	8x2.5" Drive bays 2x1TB 2.5" SATA drive RAID 1, 2 GB controller	2x2.5" Drive bays 64GB mSATA SSD
Connectivity	4x10 Gbps	2x1 Gbps Ethernet
I/O and Ports	Front: Video, 1xUSB 2.0 Rear: Video, serial, 2xUSB 3.0	DVI, HDMI, Display Port 6xUSB 3.0, 2xUSB 2.0 2xRS-232/422/485
Power Supply	48VDC 750W dual, hot-plug redundant	AC/DC 24V/5A 120
Operating Temperature	10° to 35°C	-40° to 70°C
Environment	—	—
Weight	19.5kg	4.7kg
Dimensions	1U Rack Server, 482mm (W) x 42.8mm (H) x 757.75mm (D)	227mm (W) x 88mm (H) x 261mm (D)
Certifications	EN60950, EN62311, CISPR 32, CISPR24, EN61000-3, RoHS	EMC: CE, FCC Class A Railway: EN50155, EN50121-3-2 In-Vehicle: E-Mark (E13, No.10R-0514229) Certified
Warranty	1 year	1 year

*Specifications are subject to change without notice