QP1000-200G-MIL

Rugged Military-Grade Server

Quantea

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Mission-Ready.
Battlefield-Tested.
Uncompromising Performance.

The QP1000-200G-MIL

Engineered to meet the most demanding operational environments.

Engineered to meet the most demanding operational environments, the **QP1000-200G-MIL** is a high-performance, ruggedized computer server built to endure the harsh realities of active military deployments. Designed to thrive under extreme vibration, shock, temperature fluctuations, and airborne contaminants, this server ensures unwavering computational power and network resilience wherever the mission takes you.

Key Features:

- **MIL-STD-810 & MIL-STD-167 Certified**: Proven durability under vibration, shock, humidity, dust, and electromagnetic interference.
- **Solid-State Architecture**: With no moving parts and ruggedized SSDs, the QP1000-200G-MIL delivers exceptional reliability and ultra-fast data access, even in high-G-force environments.
- **Hardened Chassis**: Corrosion-resistant, shock dampers and extremely lightweight construction.
- **Wide Temperature Operation**: Operates flawlessly from -0°C to +40°C, ideal for arctic, desert, and maritime deployments.
- **World Class Capture Performance**: Up to 200G performance for lossless capture.
- **Flexible I/O Options**: Includes MIL-grade power input, and hot-swappable drive bays for rapid field servicing.

Applications:

- Forward-operating base (FOB) data centers
- Tactical command and control (C2) systems
- ISR (Intelligence, Surveillance, Reconnaissance) data aggregation
- Mobile radar and communications platforms

The Next-Generation of Network Data Recording

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Introducing the **QP1000-200G-MIL** Series

QP1000 200G-MIL

+200G Recording

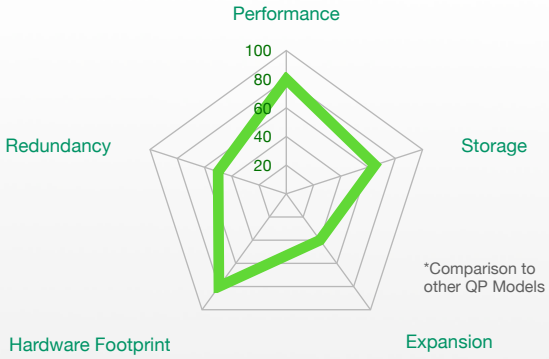
QP API Deep Automation

I-Series

F-Series

Agilex® 7

Rugged Construction



Flagship Model

QP1000-200G-MIL -102T-1P | **102TB Storage** | **512GB Memory**

Midrange Model

QP1000-200G-MIL -51T-1P | **51TB Storage** | **256GB Memory**

Model Specifications

Capture Interfaces	Timestamp	Storage Array	RAID Type
1 x 200G or 2 x 100G (using breakout cable) Up to One Adapter	1 nanosecond	All Flash Based	RAID10/0
Transceivers	**Power Supply**	**Average Load**	**Humidity Range**
QSFPDD (LR8/SR8) QSFP56 (LR4/SR4) QSFP28(LR4/SR4)	800WAC, 50/60 or 400Hz, 505W 18-36VDC	300-450W	Operating: 8-90% Non-Operating: 5-95% (non-condensing)

Dimensions	Weight	Management NICs	Temperature Range
437 x 44 x 484mm (17.2” x 1.7” x 19”)	11.8Kg (26lbs)	2 x 1/10GbE and 1 x 1GbE BMC per node	Operating: 0C - 40C Non-Operating: -40C - 60C

Environmental Testing Standards	
MIL-STD-810: Environmental Engineering Considerations and Laboratory Tests	**Method 500, Altitude:** 12,500 ft. operation, 40,000 ft. transport **Method 501, Operational Temperature, high:** Procedure II: +55°C, two-hour dwell, four cycles **Method 502, Operational Temperature, low:** Procedure II: -40°C, two-hour dwell, four cycles **Method 503, Thermal Shock: Procedure II:** 10 cycles, -40°C to +55°C, 15-min dwell, <1-min transfer time **Method 507, Humidity:** Procedure II: 240 hours with optional conformal coating kit **Method 508, Fungus:** 28 days, mixed spore, 30°C 95% RH **Method 509, Salt fog:** 48-hour test **Method 514, Vibration: Procedure I:** 4.7G, 5–2,000Hz, 60 min/axis, 3 axis **Method 516, Shock: Procedures I & V:** 40G, 11ms, 18 pulses, 3/axis both directions
MIL-STD-167-1A	**Ship Vibration,** Type 1
MIL-S-901E	**Shipboard Shock**, Class II, A/B
MIL-STD-461	**EMI/EMC, RE102, CE102**; Surface Ship, below deck, and ground

Regulatory Agency Approvals

All models meet these safety listings:

CE, BSMI, UL, FCC (Class A), RoHS, CUL, TUV

EN 60950 / IEC 60950 Compliant

Part Number	Product Name / Details
10092001021	QP1000M-200G-MIL-102T-1P
1009200511	QP1000M-200G-MIL-51T-1P
1009200251	QP1000M-200G-MIL-25T-1P
1009200GX	Customized Storage and Port Count, contact sales for more details.

Thank you

support@quantea.com info@quantea.com sales@quantea.com pureinsight@quantea.com