

# QUALSTAR® *Q Series*

Our signature Q Series of tape-based data storage solutions provides exceptional storage capacity in compact, easy-to-operate systems.

The Q Series has a model to meet most data storage needs, with capacities ranging from eight tapes (360\* TB) to 640 tapes (28.8\* PB). Key features such as web-based GUI, no slot licensing, and field replaceable parts make this the best data storage solution that grows with your business needs.

\*2.5:1 hardware compression



Q8



Q24



Q40



Q80

## *Today's Tape*

**Durability:** Data can be stored for up to 30 years without degradation

**Sustainability:** Lower power consumption and lower CO2 emissions than hard drives and other alternatives

**Cybersecurity:** Air gap, encryption, and WORM harden defense against cybercrime, ransomware, and malware

**High Capacity:** Up to 45 terabytes (compressed) per LTO-9 cartridge

**Scalability:** Tape scales capacity by adding media without any impact to energy consumption

**Total Cost of Ownership:** Tape offers the lowest acquisition price in dollars per terabyte

## *The Data Storage Experts*

For nearly 40 years, Qualstar Corporation has been a world-leading provider of reliable, low-cost data storage solutions. Today, the company offers a full range of the most cutting-edge tape systems—with various sizes and configurations to meet your data storage requirements.

Contact your local  
Qualstar representative:

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# QUALSTAR® *Q Series Comparison Guide*



**Q8 Entry-Level  
LTO Tape Library**



**Q24 Compact  
LTO Tape Library**



**Q40 Scalable  
Mid-Range  
LTO Tape Library**



**Q80 Scalable  
Enterprise LTO  
Tape Library**

	Q8 Entry-Level LTO Tape Library	Q24 Compact LTO Tape Library	Q40 Scalable Mid-Range LTO Tape Library	Q80 Scalable Enterprise LTO Tape Library
Interface Options	SAS and FC	SAS and FC	SAS and FC	SAS and FC
Standard Tape Drives	1	1	1	1
Optional Tape Drives	N/A	1	2	5
Active Cartridge Slots	8	24	40	80
Supported LTO Formats	LTO-7, LTO-8, LTO-9	LTO-7, LTO-8, LTO-9	LTO-7, LTO-8, LTO-9	LTO-7, LTO-8, LTO-9
Base Unit Capacity (LTO-9)	144 TB	432 TB	720 TB	1.44 PB
Base Unit Capacity (LTO-9, Compressed)	360 TB	1080 TB	1.8 PB	3.6 PB
Native Data Rate per Drive	300 MB/s	300 MB/s	300 MB/s	300 MB/s
I/O Port	0 or 1	0 or 1	0 or 5	0 or 10
Height	1.75" or 4.45 cm (1U)	3.5" or 8.89 cm (2U)	5.25" or 13.34 cm (3U)	10.5" or 26.67 cm (6U)
Width	17.6" or 44.70 cm	17.6" or 44.70 cm	19" or 48.26 cm	18.7" or 47.5 cm
Depth	29.1" or 73.91 cm	29.1" or 73.91 cm	34.3" or 87.12 cm	35.1" or 89.15 cm
Weight (without cartridges)	25 lb or 11.34 kg	34 lb or 15.42 kg	55.3 lb or 25.08 kg	90 lb or 40.82 kg
Power	100 – 240 VAC / 80 W (max)	100 – 240 VAC / 300 W (max)	100 – 240 VAC / 230 W (max)	100 – 240 VAC / 350 W (max)
Optional Expansion Modules	0	0	15	6
Additional Cartridge Slots	0	0	600 (w/ 15 expansion modules)	480 (w/ 6 expansion modules)
Maximum Compressed Capacity Using LTO-9	360TB	1080 TB	28.80 PB	25.20 PB
Self-Calibrating	✓	✓	✓	✓
Auto-Discovery	✓	✓	✓	✓
Remote Management Interface	✓	✓	✓	✓
Included Rackmount Kit	✓	✓	✓	✓
Drive-Based Encryption	✓	✓	✓	✓
LCD Panel	✓	✓	✓	✓
Standard Barcode Reader	✓	✓	✓	✓

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