Quantum

DXi T-SERIES ALL-FLASH BACKUP APPLIANCES

Flash-Speed Backup and Recovery
Now up to 480 TB in 1U



DATASHEET

FEATURES & BENEFITS

Simply Deploy, Manage, and Grow
DXi T-Series appliances are fully configured without need of any hardware upgrades. Capacity-on-Demand software licensing reduces upfront costs and allows you to simply expand the system as capacity needs grow.

Prepare and Protect Against Cyber-Attacks
All-flash performance better protects against attacks with more aggressive backup schedules, more frequent validation of data sets, regular recovery procedure testing, and proactive virus scans.

Rapidly Recover Large Data Footprint
Protect against ransomware and other malicious actions with the confidence to quickly recover massive amounts of data.

Reduce Downtime and Business Risks
Achieve lower recovery time and recovery point objectives for mission-critical database applications.

Accelerate Key Workflows
Rapidly re-hydrate data for test and development copies, E-discovery and compliance, and long-term preservation.

Meet New and Emerging I/O Requirements
Flexibly adapt to new I/O demands by AI-based analysis of backup data sets across data classification, data privacy, and malware prevention use cases.

New Demands Drive Need for More Effective Data Protection

As organizations fully transform into digital vanguards, the IT environment becomes even more critical to business goals, while cyber risks are ever-present. As new AI initiatives drive more data across edge, core and cloud locations, the security perimeter grows, zero trust strategies become more complex, and proactive data protection and recovery planning become ever more essential. Organizations must diligently prepare and protect against cyberattacks, and when attacked, must have the ability to rapidly recover broad swaths of their infrastructure. To meet these goals and keep pace with increasing I/O demands, the data protection infrastructure must continue to evolve.

DXi® T-Series: All-Flash Performance for Faster Backups and Data Recovery

DXi T-Series all-flash backup appliances are compact, easy-to-order appliances providing fast, effective data protection and recovery for core infrastructure, enterprise edge deployments, and mission-critical database environments. Scaling from 15 to 480 usable terabytes in a powerful 1U form factor, the DXi T-Series accelerates your ability to prepare, prevent, and recover quickly from ransomware attacks and other data risks.

Based on high-density, solid state NVMe drives and industry-best data reduction*, the DXi T-Series achieves best-in-class performance and efficiency with ingest rates up to 113 terabytes per hour and up to 10 times faster restore times**, far exceeding the performance and price/performance of comparable hard disk-based solutions. And with all-inclusive licensing, a rich software ecosystem, and no need for a landing zone, DXi T-Series appliances provide outstanding value. Bundled replication, cloud tiering, and immutable snapshots allow DXi T-Series appliances to seamlessly provide end-to-end data protection across the edge, the core, and the cloud.

LEARN MORE:
www.quantum.com/dxi

*DXi deduplication provides 3-6 times greater efficiency than fixed-length deduplication techniques.
**Most customers will likely see improvements in the range of 4-15X in ingest and 2-10X in restore, compared to HDD-based appliances of the same capacity range.

DXi T-Series All-Flash Backup Appliances

DATASHEET



Outstanding Performance and Cost Efficiency
All-Inclusive Software Feature Set
Built-in Ransomware Protection and Recovery
Edge-Core-Cloud Architecture
Highly Optimized 3-2-1-1 Solutions
Rich Solutions Ecosystem

Attributes	DXi T10-60	DXi T10-120	DXi T10-240	DXi T10-480
Usable Capacity	60 TB	120 TB	240 TB	480 TB
Total Usable Capacity with Cloud Share*	180 TB	360 TB	720 TB	1.44 PB
Total Logical Capacity with Cloud Share @ 70:1**	12.6 PB	25.2 PB	50.4 PB	100.8 PB
Licensed Usable Capacity	15, 30, 45, 60 TB	30, 45, 60, 75, 90, 105, 120 TB	60, 75, 90, 105, 120, 135, 150, 165, 180, 195, 210, 225, 240 TB	120, 135, 150, 165, 180, 195, 210, 225, 240, 255, 270, 285, 300, 315, 330, 345, 360, 375, 390, 405, 420, 435, 450, 465, 480 TB
Capacity-on-Demand (CoD)	Licensed in 15 TB increments			
Disk Drives	6x 15.36 TB NVMe, Self-encrypted, RAID6	10x 15.36 TB NVMe, Self-encrypted, RAID6	10x 30.72 TB NVMe, Self-encrypted, RAID6	10x 61.44 TB NVMe, Self-encrypted, RAID6
Data Reduction	Inline variable-length deduplication and data compression Up to 70:1 data reduction ratio**			
Access Protocols	NFS / SMB / OST / VTL / AccentFS / VDMS			
Protocol Limits	128 NAS Shares OST: 100 Storage Servers VTL: Up to 64 partitions, 64 VTDs per partition, 150 total VTDs 61,000 VTC per partition			
Connectivity	Standard: 2x 10GBASE-T (RJ45) Combination of up to 3 optional NICs: Quad-port 10 / 25 GbE (Optical or Copper) Dual-port 100 GbE (Optical or Copper, max 2) Dual-port 32 Gb FC			
Data Protection and Security	At-rest and in-flight data encryption Replication Cloud Share tiering Secure Snapshots Role-based access control Audit logging Multi-factor authentication Secure email Path-to-Tape			
Replication	Compatible with all supported DXi appliances and versions. Fan In: 20 to 1 Fan out: 1 to 3			
Administration, Monitoring and Reporting	GUI / CLI / Web Services / SNMP / SMTP / Advanced Reporting / Metrics Explorer / Cloud-Based Analytics			
Virtual Server Support	Dynamic Application Environment			
System Availability	Redundant power and cooling Hot-swappable NVMe drives			
Rack Space	1U	1U	1U	1U
Watts/BTU	Platinum Level High-efficiency 613 Watts / 2,093 BTU	Platinum Level High-efficiency 670 Watts / 2,300 BTU	Platinum Level High-efficiency 680 Watts / 2,320 BTU	Platinum Level High-efficiency 690 Watts / 2,350 BTU

* Cloud Share usable capacity scales at a rate of 2X the DXi capacity licensed.
** Realized rates will vary depending on the specific data and workload characteristics. Based on internal field data of actual customer deployments, data reduction rates can be as high as 70X.

Quantum

Quantum delivers end-to-end data management solutions designed for the AI era. With over four decades of experience, our data platform has allowed customers to extract the maximum value from their unique, unstructured data. From high-performance ingest that powers AI applications and demanding data-intensive workloads, to massive, durable data lakes to fuel AI models, Quantum delivers the most comprehensive and cost-efficient solutions. Leading organizations in life sciences, government, media and entertainment, research, and industrial technology trust Quantum with their most valuable asset – their data. Quantum is listed on Nasdaq (QMCO). For more information visit www.quantum.com.

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