

IQN700

Unified Storage

KEY FEATURES

■ Modern Simplicity

- **InfiniLogic** storage management system with intuitive GUI for easy setup and maintenance
- 5-minute deployment - fast installation and data access out of the box
- Unified storage with multiprotocol support: CIFS/SMB, NFS, FTP, WebDAV, iSCSI, Fibre Channel
- Seamless cross-InfiniStor platform replication for flexible data mobility

■ Enterprise Reliability & Availability

- Dual active-active controller architecture with seamless failover/failback
- Designed for **99.9999% availability** with fully redundant hardware (controllers, power, cooling, fans)
- Non-disruptive firmware upgrades for continuous data service
- Predictive drive health monitoring with early alerts
- Cache-to-flash protection ensures in-flight data safety during unexpected power loss
- 5-year limited warranty ensures enterprise-grade reliability

■ Flexible Expansion & Connectivity

- Built-in 8 x 10GbE SFP+ ports per system (dual controller), scalable to 24 host ports
- Flexible host connectivity: iSCSI, Fibre Channel (16G/32G), 25GbE, & SAS expansion ports
- Outstanding scalability with up to 546 drives and 16.7 PB raw capacity
- Wake-on-SAS enables remote power on/off for expansion enclosures, reducing energy use

■ Storage Efficiency & Performance

- Powered by Intel® Xeon® quad-core processors with expandable memory up to 256 GB per controller
- Hybrid flash architecture with SSD caching, auto-tiering, and RDMA acceleration
- Thin provisioning with space reclamation for optimized storage utilization
- Advanced storage efficiency: inline compression and deduplication (optional)
- Comprehensive RAID support: RAID 0/1/5/6/10/50/60/5EE/6EE/50EE/60EE

■ Data Protection & Backup Services

- Snapshots with quick restore and recycle bin functionality
- Local & remote replication (asynchronous + synchronous option)
- Integrated backup options: Rsync, S3 object backup, cloud backup
- Microsoft 365 email backup support for SaaS protection
- WORM (Write Once Read Many) for compliance-ready immutable storage

■ Security & Access Control

- Multi-layer protection: SSL, SSH, CHAP, RBAC, Windows ACL, antivirus
- Support for SED (Self-Encrypting Drives) and ISE for hardware-based encryption
- Role-based access control with fine-grained permissions
- Secure HTTPS/RESTful API-based management for safe remote operations

■ Smart Management with InfiniLogic

- Real-time monitoring and intuitive dashboard with integrated reporting
- Unified web GUI, Windows AD/LDAP support, and RESTful API for seamless integration
- Group/batch operations for simplified large-scale management
- Integrated S.E.S. and LCM support for streamlined hardware maintenance

■ Versatile Use Cases

- File sharing & collaboration for SMBs and enterprises
- Virtualization & container environments (VMware, Hyper-V, KVM, Docker)
- Video & media production requiring high throughput NAS access
- Enterprise backup and disaster recovery
- Surveillance storage with high density and scalability

IQN726



IQN712



IQN716



IQN724



SPECIFICATIONS

Model Number	IQN726	IQN724	IQN716	IQN712
Architecture	Single / Dual active-active controller			
Processor	Intel® Xeon® 64-bit 4-core per controller			
Memory	Each controller includes 4 DIMM slots, pre-installed with 8 GB DDR4 ECC memory,expandable up to 256 GB per controller (512 GB total per system)			
Front Panel & LED	Enclosure Power Button & Status LED, Enclosure Access LED, Disk Drive Status & Power LED,UID (Unique Identifier) Button & LED, USB Port			
Rear Panel & LED	Power Supply Unit, 12 Gb/s SAS Wide Port, 10 GbE iSCSI (SFP+) Port, Management Port, Host Card Slot 1 & Slot 2 (Optional Part), Service Port, Console Port, USB Port, Reset to Factory Default Button, Buzzer Mute Button. Master / Slave LED, Controller Status LED, Dirty Cache LED, UID LED			
Drive Bays & Max Internal Capacity	Hot Swappable Drive Bays2.5" Slot x 26	Hot Swappable Drive Bays3.5"/2.5" Slot x 24	Hot Swappable Drive Bays3.5"/2.5" Slot x 16	Hot Swappable Drive Bays3.5"/2.5" Slot x 12
Compatible Drive Type	2.5" SAS, NL-SAS, SED HDD 2.5" SAS, SED SSD	3.5"/2.5" SAS, NL-SAS, SED HDD; 2.5" SAS/SATA/SED SSD; 3.5"/2.5" SATA HDD (SATA HDD for single-controller only)		
Max Drive Bays & Max Capacity with Expansion Units	Max Drive Bays 546 and MaxCapacity 16,773TB (22TB)	Max Drive Bays 504 and Max Capacity 11,088TB	Max Drive Bays 496 and Max Capacity 10,912TB	Max Drive Bays 492 and Max Capacity 10,824TB
Management Port	1GbE RJ45 LAN Port (onboard per controller)			
Onboard Connectivity	10GbE SFP+ 4 ports (per controller)			
PCIe Expansion	(Gen3 x8 Slot) x 2			
PCIe Expansion Slot Options	10GbE RJ45 (2/4 ports per slot), 25GbE SFP28 (2/4 ports per slot), 16Gb FC SFP+ (2/4 ports per slot), 32Gb FC SFP28 (2 ports per slot)			
Expansion & External Port	2 x 12Gb/s SAS Wide Port (onboard per controller)			
Storage OS	InfiniLogic			
RAID Type	0/1/3/5/6/10/30/50/60/5EE/6EE/50EE/60EE/N-way mirror			
Storage Efficiency	Thin Provisioning			
Software Acceleration	SSD cache / Auto tiering			
Data Protection	Snapshot / Local volume clone			
Storage Efficiency	Thin provisioning / Compression and Deduplication (option)			
Backup Service	Rsync / S3 backup / X Mirror / Cloud backup / Microsoft 365 email backup			
Security	SSL/ SSH / iSCSICHAP / ISE & SED / WORM/RBAC /Windows ACL/ Antivirus			
Management	Web UI / Web UI / Window AD /LDAP / RESTful API /LCM/S.E.S.			
Memory Protection	Cache-to-Flash (Super capacitor Module + Flash Module) (option)			
System Cooling	4 FANS			
Power Supply Unit	850W x2(80 PLUS Platinum)			
Gross Weight	Kg: 18.6	Kg: 28.3	Kg: 24	Kg: 18.8
Dimensions (H x W x D)	mm: 88 x 438 x 491	mm: 170.3 x 438 x 515	mm: 130.4 x 438 x 515	mm: 88 x 438 x 515
Certification	BIS, RoHS compliant			
Warranty	System: 5 years; Super capacitor Module: 1 year			