

IQS600

SAN Storage

KEY FEATURES

■ High Performance & Efficiency

- Powered by Intel® Xeon® 64-bit quad-core processors
- Hybrid flash design with SSD caching (optional) & auto-tiering (optional)
- Thin provisioning with space reclamation for optimized capacity usage
- QoS (Quality of Service) to prioritize critical workloads

■ Enterprise Reliability & Availability

- Dual active-active controllers with seamless failover/failback
- Built for 99.9999% availability with fully redundant, hot-swappable controllers, power & cooling modules
- Non-disruptive firmware and hardware upgrades
- Predictive drive health monitoring with early alerts
- Cache-to-flash protection ensures in-flight data safety during unexpected power loss
- Multipath I/O and load balancing support (MPIO, MC/S, Trunking, and LACP)
- 24/7 operation designed for mission-critical workloads

■ Flexible Connectivity & Scalability

- Industry-leading Ethernet and Fibre Channel high-speed connectivity
- Built-in 10GbE SFP+, expandable to 24 host ports with flexible iSCSI/Fibre Channel options
- Scales to over 12 PB raw capacity for growing data needs
- Online expansion and single-to-dual controller field upgrade

■ Data Security & Access Control

- Support for Self-Encrypting Drives (SEDs)
- iSCSI Force Field to protect against malicious network attacks
- CHAP & mutual CHAP authentication / iSCSI-3 PR (Persistent Reservation for I/O fencing)
- Encrypted HTTPS communication for secure management

■ Data Protection & Disaster Recovery

- Flexible RAID support: 0/1/3/5/6/10/30/50/60/5EE/6EE/50EE/60EE/N-way mirror
- Snapshots with recycle bin for fast restores
- Local clones with direct read/write access to snapshot data
- Local & remote block-level replication for DR readiness
- Synchronous block-level replication for zero data-loss protection

■ Smart & Intuitive Management (InfiniShield OS)

- 5-minute deployment with an intuitive GUI
- Real-time monitoring & integrated reporting
- Group/batch operations for multi-volume setup
- Easy control via web GUI, serial console, or RESTful API, plus integrated SES and LCM for streamlined maintenance

■ Versatile Use Cases

- Virtualization-ready (VMware, Hyper-V, Citrix, KVM certified)
- High-throughput media & video production
- Enterprise backup & disaster recovery infrastructure
- Large-scale surveillance deployments
- Data consolidation for SMBs and enterprises

IQS626



IQS612



IQS616



IQS624



SPECIFICATIONS

Model Number	IQS626	IQS624	IQS616	IQS612
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 Bays 2.5" Slot x 26	Hot Swappable Drive Bays 3.5"/2.5" Slot x 24	Hot Swappable Drive Bays 3.5"/2.5" Slot x 16	Hot Swappable Drive Bays 3.5"/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 Max Capacity 16,773TB	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	InfiniShield			
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 (option) / Auto tiering (option)			
Data Protection	Snapshot / Local volume clone			
Remote Replication	Asynchronous (built-in) / Synchronous (option)			
Security	HTTPS / SSH / iSCSI CHAP / ISE & SED			
Management	Web UI / Serial console / RESTful API / S.E.S./LCM			
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: 3 years; Super capacitor Module: 1 year			