



The Leader in Clustered Storage

Isilon IQ Accelerator



A Revolutionary Solution to Dynamically Accelerate Clustered Storage Performance

High performance applications and workflows that use large amounts of unstructured and file-based data frequently require much higher total throughput and performance than traditional NAS and SAN storage architectures can deliver. In addition, significant business productivity and economic benefits can be realized by independently increasing and horizontally aggregating performance across a single and unified storage system.

KEY FEATURES

- Unmatched aggregate throughput from a single file system, modularly scaling to more than 7 Gigabytes/second
- Dynamic Performance Acceleration (DPA) technology enables IQ Accelerators to seamlessly join an Isilon IQ cluster on the fly in less than 15 seconds
- Independent scaling of performance with TrueScale™ technology
- Scale CPU, memory and throughput at 1/3 the cost of traditional storage systems
- InfiniBand® for high speed, low-latency intracluster communication
- Built-in SmartConnect application/client connection load balancing
- Industry-standard protocol support (NFS, CIFS, HTTP, FTP, NDMP, SNMP, LDAP, ADS, NIS)

The Isilon® IQ Accelerator extension node was designed to enable Isilon clustered storage customers with high performance requirements to meet their specific workflow needs by modularly and cost-effectively scaling throughput. Powered by Isilon's OneFS® distributed file system with TrueScale™ technology, Isilon IQ Accelerator nodes can be seamlessly added to any Isilon IQ 1920i, 3000i, 4800i, or 6000i storage cluster using InfiniBand® networking to independently scale aggregate throughput to more than 7 Gigabytes per second.

Isilon IQ Accelerators automatically join an Isilon IQ storage cluster in less than 15 seconds and add processing power, memory, bandwidth, and parallel read and write access to a single file system and fully symmetric storage cluster. This is in stark contrast to the limitations of traditional storage and namespace aggregation technologies that require customers to add expensive file server heads and disparate devices to increase performance. These legacy approaches are difficult to manage and fail to aggregate total throughput across a unified storage system.

By leveraging Isilon IQ's unique clustered architecture and truly distributed OneFS file system, Isilon IQ Accelerators deliver unmatched total performance at one-third the cost of traditional storage systems.

As with Isilon IQ platform nodes, users and applications connect to Isilon IQ Accelerators via Gigabit Ethernet using standard networking protocols such as NFS, CIFS, HTTP, and FTP. In addition, Isilon's built-in SmartConnect software ensures the highest performance by automatically load balancing client connections across all nodes.

Isilon IQ Accelerators further enhance Isilon's industry-leading performance and reliability by accelerating cluster operations such as disk and node rebuilds, file striping, and SyncIQ file-based replication.

By modularly adding Isilon IQ Accelerators to an existing Isilon IQ cluster, customers can turbo-charge their data storage and achieve previously unattainable efficiencies with the industry's best price for performance.

Please contact your Isilon sales representative or reseller to receive a customized analysis regarding how an Isilon IQ Accelerator can increase the performance of your storage and improve your bottom line.

Isilon IQ Accelerator



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Environmental Specifications

Power Supply	Single, 400W supply with Power Factor Correction
AC Input/Power Consumption	100-240 VAC (60-50 Hz), typical: 2A-1A, max: 4A – 1.5A
Thermal Rating	1350 BTU/hour
Operating Environment	50° F to 95° F (10° C to 35° C), 5% to 95% relative humidity, non-condensing
Non-Operating Environment	-40° F to 149° F (-40° C to 65° C), 5% to 95% relative humidity, non-condensing
Dimensions/Weight	Height: 1.72" (4.4 cm), Width: 18.87" (47.9 cm), Depth: 28.5" (72.4 cm), Weight: 30 lbs / 13.6 kg
Minimum Service Clearances	35" (88.9 cm), Rear: 7" (18 cm)

Attributes

Hard Drives	Two mirrored 160 GB SATA drives (only for OS)
CPU Type	3.2 Ghz Intel Xeon™
Front-End Networking	Two (2) Copper 1000 Base-T (Gigabit Ethernet)
Intracuster Networking	Two (2) InfinBand® connections
ECC Memory	4 GB Cache
External Indicators	Cluster status and alert (LED)

Industry Certifications

North American (NA) Safety

UL/cUL Listing (UL 60950-1:2003, First Edition)
CSA C22.2 No.60950-1-03

International Safety

CB Scheme IEC 60950-1 (2001) First Edition with all national deviations

European Union (EU) Safety

CE, Low Voltage Directive

NA EMC

US FCC Part 15/ Canada IC ICES-03

International EMC

EU EMC Directive (EN 55022 & EN 55024)
Japan (VCCI)
South Korea (MIC)