

Product Attributes	
Clustered Architecture	Truly distributed, fully symmetric clustered architecture that combines modular storage nodes with Isilon's intelligent software.
Modular Design	Self-contained nodes include server, software and disks in a 2U rack-mountable node.
Distributed File System	Isilon® OneFS® distributed file system. Creates a cluster with a single file system and single global namespace. Fully journaled, fully distributed globally coherent write/read cache.
High-Availability	No single point of failure. Self-healing design protects against disk or node failures. Includes backend intracluster failover.
Scalability	Initial cluster set-up in under 10 minutes. Add new nodes for performance and capacity in 60 seconds.
Protection Levels	FlexProtect-AP file-level striping with support for N+1, N+2 and mirroring data protection schemes.
Network Protocol Support	NFS v3 (UDP or TCP), CIFS, FTP, HTTP reads/writes.
Client Support	Microsoft® Windows , Linux, UNIX, Apple® Macintosh.
Front-End Networking	Two (2) copper 1000 Base-T (Gigabit Ethernet) per node.
Intracluster Networking	Either two (2) InfiniBand® connections or two (2) Gigabit Ethernet connections per node.
Software Highlights	
Automatic Content Migration	AutoBalance automatically redistributes data and maximizes utilization across entire cluster when new nodes are added. No downtime, application changes or manual intervention is required.
Accelerated Access to Content	Files are striped across nodes in a cluster. SmartCache algorithms predict content access patterns and accordingly cache data to ensure maximum performance for popular files in a huge and unified memory cache.
Flexible File Protection	FlexProtect-AP allows data protection levels to be changed on the fly and can be set at cluster, directory and file levels. Operates as a background operation, requiring no downtime.
Connection Load Balancing	SmartConnect intelligently load balances client connections across all Isilon IQ nodes within a single cluster.
Platform Extension	TrueScale™ enables the addition of Isilon IQ Accelerator and EX 6000 extension products to scale performance and capacity independently.
Management	Powerful web-based management interface. Command line interface (Telnet/SSH). Front panel LCD.
Quotas	SmartQuotas track and report storage utilization at the user, group and directory levels and alert system administrator(s) when users exceed pre-set limits.
Monitoring	Support for SNMP v2/v3. Environmental monitoring system for monitoring fans, power, temperature, operating voltages and node status. Web-based and LCD/LED monitoring of health, capacity and performance.
Alerting	Email alerts to administrator(s). Email-home to Isilon for proactive customer support. Front panel LCD and LEDs. SNMP support.
Authentication and Security	Support for Microsoft Active Directory Services (ADS), Network Information Service (NIS) and Lightweight Directory Access Protocol (LDAP).
Data Integrity	MediaScan proactive file-level health check continuously and automatically runs in the background to analyze and heal files, ensuring long-term data integrity.
Backup and Restore	Supports NDMP v3 and v4.

Environmental Specifications

Power Supply	Dual redundant, hot-swappable 500W power supplies with Power Factor Correction (PFC)
AC Input/Power Consumption	100-240VAC, (60-50 Hz), Typical: 4.5-2A Maximum: 7-3.5A
Thermal Rating	2400 BTU/hr
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: 3.48" (8.8 cm), Width: 18.87" (47.9 cm), Depth: 28.5" (72.4 cm), Weight: 65 lbs / 29.5 kg
Minimum Service Clearances	Front: 35" (88.9 cm), Rear: 14" (35.6 cm)



Single Node Attributes	Isilon IQ 1920 / 1920i	Isilon IQ 3000 / 3000i	Isilon IQ 4800 / 4800i	Isilon IQ 6000 / 6000i								
Capacity	1.92 TB	3.00 TB	4.80 TB	6.00 TB								
Hard Drives (hot-swappable)	Twelve (12) 3.5 SATA-2 160 GB HDD	Twelve (12) 3.5 SATA-2 250 GB HDD	Twelve (12) 3.5 SATA-2 400 GB HDD	Twelve (12) 3.5 SATA-2 500 GB HDD								
Storage Expansion	N/A	N/A	N/A	YES — via Serial Attached SCSI (SAS)								
CPU Type	3.2 GHz Intel Xeon™											
Front-End Networking	Two (2) copper 1000 Base-T (Gigabit Ethernet) per node											
Intracluster Networking	Either Two (2) InfiniBand® connections or Two (2) Gigabit Ethernet connections per node											
ECC Memory	4 GB Cache											
Non-volatile RAM (NVRAM)	512 MB											
External Indicators	Cluster status and alert (LED) and front panel LCD											
Cluster Attributes	3 Nodes (min cluster)	10 Nodes (min cluster)	88 Nodes (max cluster)	3 Nodes (min cluster)	10 Nodes (min cluster)	88 Nodes (max cluster)	3 Nodes (min cluster)	10 Nodes (min cluster)	88 Nodes (max cluster)	3 Nodes (min cluster)	10 Nodes (min cluster)	88 Nodes (max cluster)
Capacity (TB)	5.7	19	169	9	30	264	14.4	48	422	18	60	528
Memory (GB)	12	40	352	12	40	352	12	40	352	12	40	352
Rack Units (RU)	6U	20U	176U	6U	20U	176U	6U	20U	176U	6U	20U	176U

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)



Isilon Systems, Inc.

3101 Western Avenue
Seattle, WA 98121

<http://www.isilon.com>

Toll-Free: 877-2-ISILON • **Phone:** +1-206-315-7602

Fax: +1-206-315-7501 • **Email:** sales@isilon.com

© 2001-2006 Isilon Systems, Inc. All rights reserved. Isilon, Isilon Systems and OneFS are registered trademarks, and TrueScale and SyncIQ are trademarks, of Isilon Systems, Inc. SM0306-0715