

EMC ISILON A-SERIES ACCELERATOR NODES

EMC® Isilon® A-Series Accelerator nodes allow you to easily scale performance of your Isilon cluster independent of capacity. This means that you can get the performance you need to meet tight backup windows, as well as support critical applications and workloads efficiently and economically. The Isilon A-Series product line includes two specific products: the Isilon A100 Backup Accelerator and the Isilon A100 Performance Accelerator.



EMC Isilon A100 Backup Accelerator

ESSENTIALS

- Scales backup performance independent of capacity to fit within required backup windows, while lowering costs
- Certified with leading NDMP data backup software products
- Delivers backup speed of up to 1.7 terabytes per hour
- Drives up to four uncompressed LTO-5 tape drives

Specifications

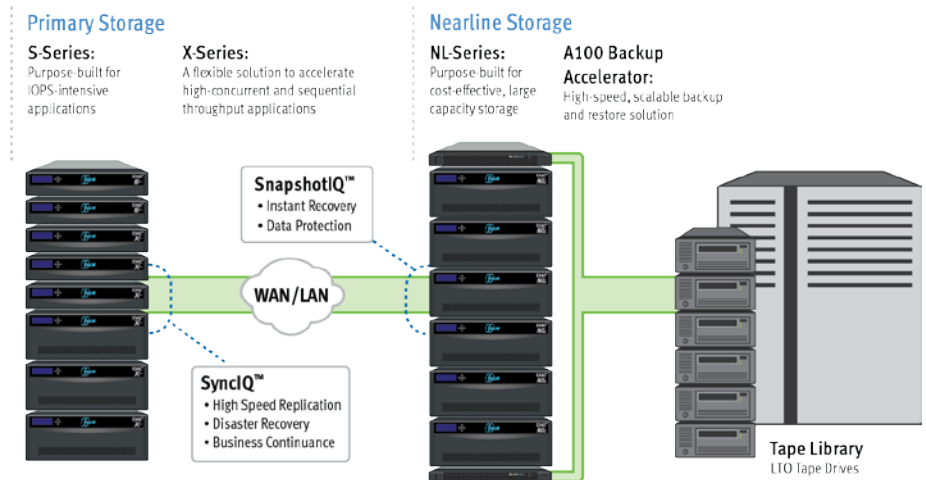
ISILON A100 BACKUP ACCELERATOR

Many organizations today are challenged by rapid data growth, limited IT resources, and shrinking backup windows that impact business productivity and the ability to meet IT requirements for tape backup, disaster recovery, compliance and archiving. In this environment, providing fast, reliable and efficient data protection is essential.

The EMC Isilon A100 Backup Accelerator provides a simple and flexible solution to address these challenges and scale backup performance to fit within your backup windows. The A100 Backup Accelerator integrates quickly and easily into your Isilon scale-out NAS cluster and can be installed in about a minute, with no system downtime.

The Isilon A100 Backup Accelerator is also designed to integrate easily with your current tape infrastructure, as well as with leading data backup and recovery software technologies and processes. Each A100 Backup Accelerator node delivers backup speed of up to 1.7 terabytes per hour and can drive up to four uncompressed LTO-5 tape drives while supporting both two-way and three-way NDMP to meet your specific infrastructure and data backup requirements.

EMC Isilon Backup Accelerator Architecture



SPECIFICATION SHEET

Isilon storage systems, including the Isilon A100 Backup Accelerator, support leading NDMP data backup software products including:

- EMC NetWorker
- Symantec NetBackup
- CommVault Simpana
- IBM Tivoli Storage Manager
- Atempo Time Navigator
- Quest NetVault



EMC Isilon A100 Performance Accelerator

ESSENTIALS

- Seamless integration with Isilon cluster
- Enables extremely fast concurrent reads with low latency by serving data from RAM
- Supports highly parallel workloads
- Accelerates cluster operations
- Scales performance independent of capacity to reduce costs

ISILON A100 PERFORMANCE ACCELERATOR

The Isilon A100 Performance Accelerator is a next-generation performance accelerator designed for demanding applications and workloads that require maximum performance. With Isilon A100 Performance Accelerator nodes, you can reduce latency and increase concurrent read throughput for a cached dataset while gaining the ability to scale performance independent of capacity. Isilon A100 Performance Accelerator nodes also allow accelerated cluster operations, including disk and node rebuilds, file striping, and file-based replication.

With 256 GB of L1 cache per node, Isilon A100 Performance Accelerator nodes can hold a huge, recently-accessed dataset in memory. This dataset can be read with extremely high performance, low latency, and concurrent throughput.

Each Isilon A100 Performance Accelerator node delivers an aggregate throughput of 1100 MB/s per node and allows you to scale performance without adding capacity, while supporting your most demanding high performance workflows.

PRODUCT ATTRIBUTES

	A100 BACKUP ACCELERATOR	A100 PERFORMANCE ACCELERATOR
CONNECTIVITY	8 Gb Fibre Channel x Four (4)	10 Gb Ethernet X Two (2) (Fiber or Copper) 1 Gb Ethernet X Four (4) (Copper)
MEMORY	16 GB	256 GB
CPU	Intel Sandy Bridge Hex-Core 2 GHz X Two (2)	
INTRACLUSTER NETWORKING	Two (2) QDR InfiniBand connections	

ENVIRONMENTAL SPECIFICATIONS

POWER SUPPLY	Dual, 750W, redundant, hot-swappable
AC POWER INPUT	100-240 VAC, 60-50 Hz, auto-ranging
THERMAL RATING	400W (VA), 1350 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: 1.72" (4.4 cm), Width: 18.87" (47.9 cm), Depth: 28.6" (72.6 cm), Weight: 30 lbs (13.6 kg)
ALTITUDE	0 to 7,000 ft (0 to 2,133.6 m)
MINIMUM SERVICE CLEARANCES	35" (88.9 cm), Rear: 14" (35.6 cm)

INDUSTRY CERTIFICATIONS

NORTH AMERICAN (NA) SAFETY	UL/cUL Listing (UL 60950-1:2003, First Edition) CSA C22.2 No.60950-1-03
INTERNATIONAL SAFETY CD 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 AND EN 55024)	Japan (VCCI) South Korea (MIC)

CONTACT US

To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, [contact](#) your local representative or authorized reseller—or visit us at www.EMC.com.

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