Updated January 2026

Product type

Storage controller in a Storage Shelf

Manufacturer's name, registered trade name, and registered address

NetApp

NetApp, Inc.
3060 Olsen Drive
San Jose, CA 95128

United States

+1 408-822-6000

Product model number	Marketing model Number
NAF-2401	AFF A1K, ASA A1K, FAS70, FAS90, AFX 1K

First year of manufacture

2024

PSU efficiency

Load percentage	PS-2202-10E PSU efficiency	DCJ20002-03
10%	93.48%	91.54%
20%	95.52%	94.68%
50%	96.12%	96.17%
100%	94.11%	94.20%
Average efficiency	95.25%	95.02%
Power Factor at 50% load	0.9944	0.9972

PSU efficiency beginning January 1, 2026

Load percentage	TDPS-1600NB A PSU efficiency	
10%	90.41%	
20%	94.69%	
50%	96.32%	
100%	95.48%	
Average efficiency	91.14%	
Power Factor at 50% load	0.9908	

Declared ASHRAE operating condition class

ASHRAE rating	A2
Operating temperature range	10 to 35 degrees C
Recommended operating range	18 to 27 degrees C
Allowable operating relative humidity	-12ºC DP and 8% to 21ºC DP and 80%
Recommended operating relative humidity	-9ºC DP to 15ºC DP and 60%
Maximum Dew Po9int	21
Maximum rate of change (ºC/hr)	5/20

Material ease of disassembly for repair or reuse

FAS and AFF: https://docs.netapp.com/platstor/index.jsp

Neodymium in HDDs

No Hard Drives

Cobalt in Li-Ion Batteries

All Li-Ion Cells have less than 5g

All Li-Ion Battery Packs have between 5g and 25g

Secure data deletion information: FAS and AFF

Security Hardening Guide for NetApp ONTAP 9 (page 18)

Starting with ONTAP 9.4, you can use the secure-purge feature with advanced privilege to nondisruptively “scrub” data on NVE-enabled volumes. Scrubbing data on an encrypted volume ensures that it cannot be recovered from the physical media. The following command securely purges the deleted files on vol1 on SVM vs1: cluster1::> volume encryption secure-purge start -vserver vs1 -volume vol1 Starting with ONTAP 9.7, NAE and NVE are enabled by default. If the VE license is in place, either OKM or external key managers are configured, and NSE is not used, then NAE and NVE are enabled by default. NAE volumes are created by default on NAE aggregates, and NVE volumes are created by default on non-NAE aggregates. This can be overridden by entering the following command: cluster1::*> options -option-name encryption.data_at_rest_encryption.disable_by_default true For more information about NSE, NVE, NAE, OKM, and external KMIP servers, see NetApp Encryption Power Guide in the ONTAP 9 Documentation Center.

Clean up data spills quickly with NetApp secure_purge - analyst review

Firmware and Security Updates

Go to:

https://mysupport.netapp.com/site/products/all
Register, then search for Firmware or Security for the product.