

TECHSHEET

**ASA AFF A900,  
A800, A400,  
and A250  
Tech specs**



	ASA AFF A900	ASA AFF A800	ASA AFF A400	ASA AFF A250
Maximum scale-out	2–12 nodes (6 HA pairs)	2–12 nodes (6 HA pairs)	2–12 nodes (6 HA pairs)	2–12 nodes (6 HA pairs)
Maximum SSDs	2,880	1,440	2,880	288
Maximum effective capacity <sup>1</sup>	351PB	158PB	351PB	17PB

Per-system specifications (active-active dual controller)

	ASA AFF A900	ASA AFF A800	ASA AFF A400	ASA AFF A250
Controller form factor	8U	4U with 48 SSD slots	4U	2U with 24 SSD slots
PCIe expansion slots	20	10	10	4
FC target ports (32Gb autoranging)	64	32	24	up to 16
FC target ports (16Gb autoranging)	64	32	32 (with FC mezzanine card)	n/a
FCoE target ports, UTA2	64	n/a	n/a	n/a
100GbE ports (40GbE autoranging)	32	20	16	4
40GbE ports (can be 4x 10GbE)	n/a	n/a	n/a	n/a
25GbE ports (10GbE autoranging)	64	16	16	up to 16
10GbE ports	64	32	32	n/a
10Gbase-T (1GbE autoranging)	64	n/a	16	4
12Gb/6Gb SAS ports	64	n/a	32	4
Storage networking supported	NVMe/TCP, NVMe/FC, FC, iSCSI	NVMe/TCP, NVMe/FC, FC, iSCSI	NVMe/TCP, NVMe/FC, FC, iSCSI	NVMe/TCP, NVMe/FC, FC, iSCSI
OS version	ONTAP 9.13.1 GA or later	ONTAP 9.8 RC1 or later	ONTAP 9.7 P1 or later	ONTAP 9.8 RC1 or later
Shelves and media	NS224 (2U, 24 drives, SFF NVMe); DS224C (2U, 24 drives, 2.5" SFF); DS2246 (2U, 24 drives, 2.5", SFF)	NS224 (2U, 24 drives, SFF NVMe); DS224C (2U, 24 drives, 2.5" SFF); DS2246 (2U, 24 drives, 2.5", SFF)	NS224 (2U, 24 drives, SFF NVMe); DS224C (2U, 24 drives, 2.5" SFF); DS2246 (2U, 24 drives, 2.5", SFF)	NS224 (2U, 24 drives, SFF NVMe); DS224C (2U, 24 drives, 2.5" SFF)
Host/client OS supported	Windows Server 2012, Windows Server 2016, Linux, Oracle Solaris, AIX, HP-UX, VMware, ESX	Windows Server 2012, Windows Server 2016, Linux, Oracle Solaris, AIX, HP-UX, VMware, ESX	Windows Server 2012, Windows Server 2016, Linux, Oracle Solaris, AIX, HP-UX, VMware, ESX	Windows Server 2012, Windows Server 2016, Linux, Oracle Solaris, AIX, HP-UX, VMware, ESX

<sup>1</sup> Effective capacity based on 5:1 storage efficiency ratios with the maximum number of SSDs installed; space savings will vary dependent on workload and use cases.



## About NetApp

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds. As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services and applications to the right people—anytime, anywhere.

