

NETAPP AFF A150, A250, A400, A800, A900 TECH SPECS

Table 1) NetApp® AFF A-Series technical specifications.

	AFF A900	AFF A800	AFF A400	AFF A250	AFF A150
Maximum scale-out	2–24 nodes (12 HA pairs)	2–24 nodes (12 HA pairs)	2–24 nodes (12 HA pairs)	2–24 nodes (12 HA pairs)	2–24 nodes (12 HA pairs)
Maximum SSD	5760	2880	5760	576	864
Maximum effective capacity¹	702.7PB	185PB	702.7PB	35.2PB	26PB
Controller chassis form factor	8U	4U; 48 internal SSD slots	4U	2U; 24 internal SSD slots	2U; 24 internal SSD slots
Power consumption (median)	2450W (with NS224)	1463W	890W (with DS224C), 1240W (with NS224)	491W	300W ²
PCIe expansion slots	20	8	10	4	n/a
FC target ports (64Gb autoranging)	n/a	n/a	n/a	n/a	n/a
FC target ports (32Gb autoranging)	64	32	24	16	n/a
FC target ports (16Gb autoranging)	64	32	32 (with FC mezzanine card)	n/a	n/a
FCoE target ports, UTA2	64	n/a	n/a	n/a	8
200GbE ports (100GbE/40GbE autoranging)	n/a	n/a	n/a	n/a	n/a
100GbE ports (40GbE autoranging)	32	20	16	8 ³	n/a
25GbE ports (10GbE autoranging)	64	16	16	16	n/a
10GbE ports	64	32	32	n/a	4
10GBASE-T (1GbE autoranging)	64	n/a	16	4	4
12Gb/6Gb SAS ports	64	n/a	32	4	4
Storage networking supported	NVMe/TCP, NVMe/ FC, FC, iSCSI, NFS, pNFS, CIFS/SMB, Amazon S3	NFSv4/RDMA, NVMe/TCP, NVMe/ FC, FC, iSCSI, NFS, pNFS, CIFS/SMB, Amazon S3	NFSv4/RDMA, NVMe/TCP, NVMe/ FC, FC, iSCSI, NFS, pNFS, CIFS/SMB, Amazon S3	NVMe/TCP, NVMe/ FC, FC, iSCSI, NFS, pNFS, CIFS/SMB, Amazon S3	NVMe/TCP, FC, iSCSI, NFS, pNFS, CIFS/SMB, Amazon S3
OS version	ONTAP 9.10.1 RC2 or later	ONTAP 9.7 RC1 or later	ONTAP 9.7 RC1 or later	ONTAP 9.8 RC1 or later	ONTAP 9.12.1P1 or later

	AFF A900	AFF A800	AFF A400	AFF A250	AFF A150
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)	DS224C (2U, 24 drives, 2.5" SFF)
Host/client OS supported	Windows Server, Linux, Oracle Solaris, IBM AIX, HP-UX, macOS, VMware ESX				

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

² Estimate under typical conditions—awaiting field data for new product.

³ The AFF A250 system supports 8 100GbE ports for NetApp ONTAP® 9.13.1 or later, and 4 ports for earlier ONTAP releases.



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