

# ASA A900, A800, A400, A250, A150 ASA C800, C400, C250 TECH SPECS

Table 1) NetApp ASA A-Series technical specifications

	ASA A900	ASA A800	ASA A400	ASA A250	ASA A150
<b>Maximum scale-out</b>	2–12 nodes (6 HA pairs)	2–12 nodes (6 HA pairs)	2–12 nodes (6 HA pairs)	2–12 nodes (6 HA pairs)	2–12 nodes (6 HA pairs)
<b>Maximum SSDs (NVMe)</b>	1440	1440	576	288	432 SAS SSD
<b>Raw capacity (per HA pair)</b>	Up to 14.7PB	Up to 6.6PB	Up to 14.7PB	Up to 1.1PB	Up to 547TB
<b>Max effective capacity (per cluster)<sup>1</sup></b>	351PB	158PB	351PB	26PB	13PB
<b>Controller chassis form factor</b>	8U	4U; 48 internal SSD slots	4U	2U; 24 internal SSD slots	2U; 24 internal SSD slots
<b>Power consumption (median)</b>	2450W (with NS224)	1463W	890W (with DS224C) 1240W (with NS224)	491W	300W
<b>PCIe expansion slots</b>	20	10	10	4	n/a
<b>FC target ports (32Gb autoranging)</b>	64	32	24	16	n/a
<b>FC target ports (16Gb autoranging)</b>	64	32	32 (with FC mezzanine card)	n/a	n/a
<b>FCoE target ports, UTA2</b>	64	n/a	n/a	n/a	8
<b>100GbE ports (40GbE autoranging)</b>	32	20	16	8 <sup>2</sup>	n/a
<b>25GbE ports (10GbE autoranging)</b>	64	16	16	16	n/a
<b>10GbE ports</b>	64	32	32	n/a	4
<b>10GBASE-T (1GbE autoranging)</b>	64	n/a	16	4	8 (10GBASE-T models only)
<b>12Gb/6Gb SAS ports</b>	64	n/a	32	n/a	4
<b>Storage networking supported</b>	NVMe/TCP, NVMe/ FC, FC, iSCSI	NVMe/TCP, NVMe/ FC, FC, iSCSI	NVMe/TCP, NVMe/ FC, FC, iSCSI	NVMe/TCP, NVMe/ FC, FC, iSCSI	NVMe/TCP, FC, iSCSI
<b>OS version</b>	ONTAP 9.13.1 GA or later				
<b>Shelves and media</b>	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), DS2246 (2U, 24 drives, 2.5" SFF)
<b>Host/client OS supported</b>	Windows Server, Linux, Oracle Solaris, AIX, HP-UX, VMware				

<sup>1</sup> 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.

<sup>2</sup> The ASA A250 supports 8 100GbE ports for ONTAP 9.13.1 or later, and 4 ports for earlier ONTAP releases.

**Table 2. ASA C-Series technical specifications**

	ASA C800	ASA C400	ASA C250
<b>Maximum scale-out</b>	12 nodes (6 HA pairs)	12 nodes (6 HA pairs)	12 nodes (6 HA pairs)
<b>Maximum SSDs (NVMe)</b>	1440	576	288
<b>Raw capacity (per HA pair)</b>	Up to 7.4PB	Up to 2.9PB	Up to 1.5PB
<b>Max effective capacity (per cluster)<sup>1</sup></b>	176.8PB	70.7PB	35.4PB
<b>Controller chassis form factor</b>	4U; 48 internal SSD slots	4U	2U; 24 internal SSD slots
<b>Power consumption (median)</b>	1463W	1240W (with NS224)	491W
<b>PCIe expansion slots</b>	8	10	4
<b>FC target ports (32Gb autoranging to 16Gb/8Gb)</b>	32	40	16
<b>FC target ports (16Gb autoranging to 8Gb/4Gb)</b>	n/a	8 FC bundle option	n/a
<b>100GbE ports (40GbE autoranging)</b>	20	20	8
<b>40GbE ports (can be 4x 10GbE)</b>	n/a	n/a	n/a
<b>25GbE ports (10GbE autoranging)</b>	16	32 Ethernet bundle option 16 FC bundle option	16
<b>10GbE ports</b>	32	32	n/a
<b>10GBASE-T (1GbE autoranging)</b>	n/a	16	4
<b>Storage networking supported</b>	NVMe/TCP, NVMe/FC, FC, iSCSI		
<b>OS version</b>	ONTAP 9.13.1 P1 or later		
<b>Shelves and media</b>	NS224 (2U, 24 drives, NVMe QLC SSDs)		
<b>Host/client OS supported</b>	Windows Server, Linux, Oracle Solaris, AIX, HP-UX, macOS, 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 depending on workload and use cases.



Contact Us

**About NetApp**

NetApp is the intelligent data infrastructure company, combining unified data storage, integrated data services, and CloudOps solutions to turn a world of disruption into opportunity for every customer. NetApp creates silo-free infrastructure, harnessing observability and AI to enable the industry's best data management. As the only enterprise-grade storage service natively embedded in the world's biggest clouds, our data storage delivers seamless flexibility. In addition, our data services create a data advantage through superior cyber resilience, governance, and application agility. Our CloudOps solutions provide continuous optimization of performance and efficiency through observability and AI. No matter the data type, workload, or environment, with NetApp you can transform your data infrastructure to realize your business possibilities. [www.netapp.com](http://www.netapp.com)

