



Key specifications

Install and maintain

NetApp

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Key specifications

Key specifications for FAS8300

The following are select specifications for the FAS8300 storage system in a single high availability pair. Visit NetApp Hardware Universe (HWU) for the complete specifications for this storage system.

FAS8300 specifications at a glance

- Platform Configuration: FAS8300 Single Chassis HA Pair, Ethernet Bundle
- Max Raw Capacity: 15.0000 PB
- Memory: 256.0000 GB
- Form Factor: 4U chassis with 2 HA controllers
- ONTAP Version: ONTAP: 9.16.1P2
- PCIe Expansion Slots: 14
- Minimum ONTAP Version: ONTAP 9.7RC1

Scaleout maximums

- Type: NAS; HA Pairs: 12; Raw Capacity: 180.0 PB / 159.9 PiB; Max Memory: 3072 GB
- Type: SAN; HA Pairs: 6; Raw Capacity: 90.0 PB / 79.9 PiB; Max Memory: 1536 GB
- Type: HA Pair; Raw Capacity: 15.0 PB / 13.3 PiB; Max Memory: 256.0000

I/O

Onboard I/O

- Protocol: Ethernet 100 Gbps; Ports: 4
- Protocol: Ethernet 25 Gbps; Ports: 12
- Protocol: SAS 12 Gbps; Ports: 8

Total I/O

- Protocol: Ethernet 100 Gbps; Ports: 20
- Protocol: Ethernet 25 Gbps; Ports: 28
- Protocol: Ethernet 10 Gbps; Ports: 32
- Protocol: FC 32 Gbps; Ports: 32
- Protocol: NVMe/FC 32 Gbps; Ports: 32
- Ports: 0
- Protocol: SAS 12 Gbps; Ports: 40

Management ports

- Protocol: Ethernet 1 Gbps; Ports: 2
- Protocol: RS-232 115 Kbps; Ports: 4
- Protocol: USB 12 Mbps; Ports: 4

Storage networking supported

- CIFS
- FC
- iSCSI
- NFS v3
- NFS v4.0
- NFS v4.1
- NFS v4.2
- NVMe/FC
- NVMe/TCP
- S3
- S3 with NAS
- SMB 2.0
- SMB 2.1
- SMB 2.x
- SMB 3.0
- SMB 3.1
- SMB 3.1.1

System environment specifications

- Typical Power: 4024 BTU/hr
- Worst-case Power: 5017 BTU/hr
- Weight: 108.5 lb 49.2 kg
- Height: 4U
- Width: 19" IEC rack-compliant (17.6" 44.7 cm)
- Depth: 32.6" (34.7" with cable management bracket)
- Operating Temp/Altitude/Humidity: 10°C to 35°C (50°F to 95°F) at up to 3048m (10000 ft) elevation; 8% to 80% relative humidity, noncondensing
- Non-operating Temp/Humidity: -40°C to 70°C (-40°F to 158°F) up to 12192m (40000 ft) 10% to 95% relative humidity, noncondensing, in original container
- Acoustic Noise: Declared sound power (LwAd): 8.5 Sound pressure (LpAm) (bystander positions): 67.2 dB

Compliance

- Certifications EMC/EMI: AMCA, FCC, ICES, KC, Morocco, VCCI
- Certifications safety: BIS, CB, CSA, G_K_U-SoR, IRAM, NOM, NRCS, SONCAP, TBS
- Certifications Safety/EMC/EMI: EAC, UKRSEPRO
- Certifications Safety/EMC/EMI/RoHS: BSMI, CE DoC, UKCA DoC
- Standards EMC/EMI: BS-EN-55024, BS-EN55035, CISPR 32, EN55022, EN55024, EN55032, EN55035, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-003, KS C 9832, KS C 9835
- Standards Safety: ANSI/UL60950-1, ANSI/UL62368-1, BS-EN62368-1, CAN/CSA C22.2 No. 60950-1, CAN/CSA C22.2 No. 62368-1, CNS 14336, EN60825-1, EN62368-1, IEC 62368-1, IEC60950-1, IS 13252(part 1)

High availability

- Ethernet based baseboard management controller (BMC) and ONTAP management interface
- Redundant hot-swappable controllers
- Redundant hot-swappable power supplies
- SAS in-band management over SAS connections for external shelves [\[//\] 2025-10-15 ontap-systems-internal/issues/1357](#)

Key specifications for FAS8700

The following are select specifications for the FAS8700 storage system in a single high availability pair. Visit NetApp Hardware Universe (HWU) for the complete specifications for this storage system.

FAS8700 specifications at a glance

- Platform Configuration: FAS8700 Single Chassis HA Pair, Ethernet Bundle
- Max Raw Capacity: 15.0000 PB
- Memory: 512.0000 GB
- Form Factor: 4U chassis with 2 HA controllers
- ONTAP Version: ONTAP: 9.16.1P2
- PCIe Expansion Slots: 14
- Minimum ONTAP Version: ONTAP 9.7RC1

Scaleout maximums

- Type: NAS; HA Pairs: 12; Raw Capacity: 180.0 PB / 159.9 PiB; Max Memory: 6144 GB
- Type: SAN; HA Pairs: 6; Raw Capacity: 90.0 PB / 79.9 PiB; Max Memory: 3072 GB
- Type: HA Pair; Raw Capacity: 15.0 PB / 13.3 PiB; Max Memory: 512.0000

I/O

Onboard I/O

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- S3
- S3 with NAS
- SMB 2.0
- SMB 2.1
- SMB 2.x
- SMB 3.0
- SMB 3.1

- SMB 3.1.1

System environment specifications

- Typical Power: 5430 BTU/hr
- Worst-case Power: 5796 BTU/hr
- Weight: 108.9 lb 49.4 kg
- Height: 4U
- Width: 19" IEC rack-compliant (17.6" 44.7 cm)
- Depth: 32.6" (34.7" with cable management bracket)
- Operating Temp/Altitude/Humidity: 10°C to 35°C (50°F to 95°F) at up to 3048m (10000 ft) elevation; 8% to 80% relative humidity, noncondensing
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High availability

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- Redundant hot-swappable power supplies
- SAS in-band management over SAS connections for external shelves [//] 2025-10-15 ontap-systems-internal/issues/1357

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