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| **Specifications** | **FAS6280** |
| Maximum System Capacity | 4,320TB |
| Maximum Raw Capacity | 2,880TB |
| Maximum Drives | 1,440 |
| Controller Form Factor | Dual enclosure HA; |
|  | 2 controllers in two 6U chassis, |
|  | total of 12U |
| Memory | 192GB |
| Flash Cache | 16TB maximum |
|  | 1TB standard in base systems |
| PCIe Expansion Slots | 24 |
| Onboard I/O: 10GbE | 8 |
| Onboard I/O: 8Gb FC | 8–32 |
| Onboard I/O: 6Gb SAS | 0–24 |
| Storage Networking Supported | FC; FCoE; IP SAN (iSCSI); NFS; CIFS; HTTP; FTP |
| OS Version | Data ONTAP 8 |
| High-Availability Features | Alternate Control Path (ACP); |
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| Disk Shelves Supported | DS2246 (2U; 24 drives, 2.5” SAS SFF 10K RPM ) |
|  | DS4243 (4U; 24 drives, 3.5” SATA 7.2K RPM; 3.5″ SAS 15k RPM; 3.5” SSD 100GB) |
|  | DS14mk2 and DS14mk4 (3U; 14 drives, 3.5” FC; 3.5” SATA 1TB/2TB) |
| Maximum RAID Group Sizes | RAID 6 (RAID-DP) |
|  | FC: 28 (26 data disks plus 2 parity disks) |
|  | SATA: 20 (18 data disks plus 2 parity disks) |
|  |  |
|  | RAID 4 |
|  | FC: 14 (13 data disks plus 1 parity disk), |
|  | SATA: 7 (6 data disks plus 1 parity disk) |
|  |  |
|  | RAID 6 + RAID 1 or RAID 4 + RAID 1 (SyncMirror) |
| Max. Number of LUNs | 4,096 |
| Number of Supported SAN Hosts | Up to 512 hosts per HA pair |
|  | Up to 24 directly connected servers per HA pair |
| FlexVol Volumes | Up to 500 per controller |
| Snapshot Copies | Up to 127,000 |
| Maximum Volume/ Aggregate Size | 100TB |
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| FC Target Ports (8Gb/4Gb) (max.) | 48/48 |
| FCoE Target Ports, UTA (max.) | 40[2] |
| 10GbE Ports (max.) | 40 |
| GbE Ports (max.) | 44[2] |
| 6Gb SAS Ports (max.) | 72 |
| FC Initiator Ports (max.) | 128 |
| Maximum Adapters |  |
| Dual 10GbE (optical or copper) | 16 |
| Quad GbE (copper) | 10[2] |
| Dual 10GbE FCoE SAN Unified Target Adapter (optical or copper) | 20[2] |
| 8Gb FC Target | 24 |
| Dual 8Gb VI for SnapMirror over Fibre Channel (SMoFC) | 8 |
| Flash Cache Performance Acceleration Module (1TB) | 16 |
| Flash Cache Performance Acceleration Module (512GB) | 16 |
| Quad 6Gb SAS Storage HBA | 12 |
| Quad 4Gb FC Storage/Tape HBA (fiber) | 24/16 |
| Dual SCSI Tape HBA | 16 |