

UNITY UNIFIED STORAGE SYSTEMS SPECIFICATION SHEET



| Category | Feature | UNITY2000 ENTRY LEVEL | UNITY4000 MID-RANGE | UNITY6000 HIGH-END |
|-----------------------------|--|--|------------------------|------------------------------|
| ENTERPRISE FEATURES | Enterprise n-Way Synchronization | Designated NAS datasets are synchronized with datasets in one or many other local or remote sites. | | |
| | Private Cloud | All data is stored, managed and synchronized in a private, on-premises cloud environment for security, privacy and compliancy. | | |
| | Authentication | Active Directory, LDAP, and Local | | |
| | Access | Windows, Mac, iOS and Android Apps plus secure, private Web Access | | |
| PROTOCOLS | Supports Multiple Protocols | FC, iSCSI, NFS, CIFS/SMB, FTP | | |
| | Transfer Optimization | On-the-fly data compression, UDP based transport for bandwidth optimization over UDP-based WAN links | | |
| SYSTEM CONFIGURATION | Controllers | 2 | | |
| | CPU cores per system | 16 | | 24 |
| | CPU Type | Xeon | | |
| | System Memory (DRAM) | 96GB | | 192GB 384GB |
| | Write Cache Capacity (raw, per controller) | 200GB SSDs | 8GB NVDIMM | 32GB Battery-backed DRAM |
| | FASTier Read Cache Max Capacity | 1.6TB | 3.2TB | 9.2TB |
| | FASTier Read Cache Max Devices | 2 | 22 | 44 |
| | FASTier Read Cache Device Capacities | 400GB 800GB | 400GB | 400GB 800GB |
| STORAGE ARRAYS | Maximum Raw Capacity | 168TB | 2.1PB | 5PB |
| | Storage Chassis | 2 | 6 | 9 Direct 21 via SAS Switch |
| | RAID Levels | 5 6 10 | | |

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| STORAGE MEDIA | Maximum 7.2K RPM SAS HDD storage capacity (raw) | 168TB | 2.1PB | 5PB |
| | 7.2K RPM SAS HDDs | 2TB 4TB 6TB | 2TB 4TB 6TB 8TB | |
| | Maximum number of 7.2K RPM SAS HDD | 28 | 360 | 1260 |
| | Maximum 10K RPM SAS HDD storage capacity (raw) | 53TB | 345TB | 1.2PB |
| | 10K RPM SAS HDDs | 600GB 900GB 1.2TB | 600GB 900GB 1.2TB 1.8TB | |
| | Maximum Number of 10K RPM SAS HDD | 44 | 192 | 672 |
| HIGH AVAILABILITY | Dual redundant storage controllers with automatic failover | YES | | |
| | No single point-of-failure architecture | YES | | |
| HOST CONNECTIVITY | 8Gb/s Fiber Channel Max Number of Ports/System | 4 | | 16 |
| | 10GbE Max Number of Ports/System | 8 | | 12 |
| | 1GbE Max Number of Ports/System | 16 | | |
| | 1GbE I/O Embedded Standard Configuration | YES | | NO |
| | 10GbE I/O Embedded Standard Configuration | NO | | YES |
| | PCIe Slots for Additional Host Connectivity | YES | | |
| | 1GbE PCIe Cards Optional | YES | | |
| | 10GbE PCIe Cards Optional | YES | | |
| | 8Gb/s FC I/O PCIe Cards Optional | YES | | |
| | 1GbE I/O Ports | YES | | |
| | 10GbE I/O Ports | YES | | |
| | 8Gb/s FC I/O Ports | YES | | |

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| SAS STORAGE CONNECTIVITY: NEXSAN E-SERIES V ARRAYS | 6Gb/s SAS Standard Configuration # of SAS Ports | 1 | 4 | 6 |
| | 6Gb/s SAS Standard Configuration PCIe Card Type | Onboard | Quad-Port | Dual-Port + Quad-Port |
| | 6Gb/s SAS Switch Optional | NO | | YES |
| | Nexsan E-Series V RAID Array Expansion Units | N/A | 6 | 21 |
| | E-Series V Arrays Types Available | N/A | Models 18 32 48 60 | |
| SYSTEM STORAGE SERVICES | Client Support | Linux, OS X, Windows, ESXi, Hyper-V, XenServer | | |
| | Maximum Single File Size | 16TB | | |
| | Max NFS File Systems | 512 | | |
| | Max CIFS File Systems | 512 | | |
| | Max Snapshots per File System | 2048 | | |
| | Max LUNs per Target | 255 | | |
| | Max LUN Size | 64TB | | |
| | System Max LUNs | 255 - Fibre Channel 1024 - iSCSI | | |
| | Max Snapshots per LUN | 2048 | | |
| POWER, COOLING & ENVIRONMENTAL | Number of hot-swappable power supplies - head units | 2 | 4 | |
| | Voltage, Frequency | 100-240V 50-60Hz | | |
| | Operating Temperature | 10-35C, 50-95F | | |
| | Operating Humidity | 20-95% (non-condensing) | | |
| | Wattage per Controller | 920W | 750W | |
| | Maximum Power/Controller Node | 920W | 750W | |
| | Heat Dissipation | Line 113 Battery 714 | | |
| SIZE & WEIGHT | Controller Form Factor | 2U | | 6U |
| | Dimension (WxHxD) | 17.2 x 3.5 x 26.75 in 437 x 88 x 679 mm | | 17.2 x 3.5 x 27.9 in 43.8 x 8.76 x 70.78 cm |
| | Controller Unit Weight | 85 lbs. (38.6 kg.) 90 lbs. (40.8 kg.) | | >40 lb, >18.1 kg |
| RAILS & CABLES | Mounting Rails and SAS Cables included | YES | | |

| | | UNITY6000 HIGH-END | |
|---|-------------------------------|--|---|
| VAULT PROTECTION MODULE: System Storage Services | | 120 V | 230 V |
| SIZE & WEIGHT | Dimensions (H x W x D) | 1U - 1.7 x 17.2 x 21.8 in 43.2 x 438 x 554 mm | |
| | Weight | 44.1 lbs 20 kg | |
| BATTERY | Battery Description | Sealed. Lead-acid. Maintenance free. | |
| | Battery Management | Battery life management and advanced warning for battery replacement | |
| ELECTRICAL | Input/Output Connections | Input: (1) NEMA 5-15P; Output: (5) NEMA 5-15R | Input: (1) C14; Output: (6) C13 |
| | Input/Output Nominal Voltage | 120V (adjustable to 100/120/125 V) | 230V (adjustable to 200/208/220/230/240 V) |
| | On Utility Voltage Regulation | 50 Hz 60 Hz | |
| | On Utility Voltage Regulation | 102 - 132 V | |
| | On Batter Voltage Regulation | - 10% - + 6% of Nominal | |
| COMMUNICATIONS | User Interface | LCD Graphical Display | |
| | LEDs | Load protected, on battery and fault | |
| OTHER | Communication Card Slots | One Slot | |
| | RoHS Compliance | Yes | |
| | Heat Dissipation (BTU) | Line: 113, Battery 714 | |
| | Audible Noise | < 45 dB at 1 meter | |
| | Operating Temperature | 0-40C, 32-104F | |
| | Performance - Safety - EMC | UL 1778, UL497A | |
| | Safety Markings | cULus, CE | |
| | EMC Markings | IEC 62040-2 C1-C2 / EN 55024 / CISPR22 Class B / FCC part 15 Class B | |
| | Storage Temperature | -15 – 40C, 5-10F | |
| | Relative Humidity | 0-95% (non-condensing) | |

ABOUT NEXSAN

Nexsan is a global leader in storage, back up and data management solutions that are focused on seamlessly and securely enabling a connected workforce. Its broad solution portfolio empowers enterprises to securely store, protect and manage valuable business data – allowing users to sync, share and access files from any device, anywhere, anytime. www.nexsan.com