800 Series

SecurOS® SAN Storage

5 Year Warranty

Supports consolidated storage and extended retention time	Easy access to the videodata with consolidated storage	Up to 1.44PB Data Storage	SecurOS® VMS Certified, Optimized and Guaranteed	99.999% Guaranteed Uptime	NL-SAS Data Drives for High-performance Recording

Provides Scalable, Secure, and Robust platforms for end-to-end security solutions.

The SecurOS® SAN Storage 800 Series delivers built-in simplicity, design for flexibility, and exceptional reliability. The SAN server offers easy setup with all-inclusive software, distributed RAID (ADAPT) for faster rebuild times (as compared to standard RAID), and an intuitive HTML5 management interface. Rest assured that the SecurOS® SAN Storage 800 Series is optimized and guaranteed to work seamlessly with SecurOS® VMS Servers.

The SecurOS® SAN Storage 800 is a high-capacity, centralized storage appliance purpose-built and engineered to withstand even the most demanding envi-

ronments. Tested, tuned and optimized for both the security and the corporate IT industries, the SecurOS® SAN Storage 800 offers the latest in storage technology, ideal for mid-tier to large projects and installations. With reliability, performance, and affordability, the device is unparalleled in the industries it serves.

Best in class components with a warranty to match, the SecurOS® SAN Storage 800 Series is designed to give you the power you need with the performance you can rely on. ISS tests, tunes, and guarantees that the SAN storage servers endure the toughest installations.

Specifications

System

Operating Systems	Windows Server 2016, 2019, and 2022, VMware 6.7, U2/6.5/6.0, Microsoft Hyper-V, SLES, 12.3, RHEL 8.0/7.4/6.9
Volumes per System	1,024
RAM	16GB (8GB per Controller)
Data Storage	SOS-STR-800-H-144T *(Head Node)*: 144TB NL-SAS (12 x 12TB) SOS-STR-800-E-144T *(Expander Node)*: 144TB NL-SAS (12 x 12TB), up to 9 **Up to 1.44PB total**
RAID	ADAPT (Distributed RAID); RAID 0, 1, 5, 6, 10 Dual RAID Controllers
Cache	Mirrored Cache, Supercapacitor cache backup, nonvolatile cache backup to flash
Connectivity	Up to 32GB Fibre Channel, Up to 25GB, iSCSI
Ports	**Head End:** 8 x Fibre Channel or 8 x SFP+, 8 x Multi-protocol, 6 x 12Gb mini-SAS HD connectors **Expansion:** 4 x Fibre Channel or 4 x SFP+, 4 x Multi-protocol
Expansion Chassis Supported	Up to 9 x 2U Expansions per 2U Head End, Up to 3 x 5U Expansions per 2U Head End, Up to 3 x 5U Expansions per 5U Head End
Management Interface	MESM (HTML5 GUI, CLI, REST)
Accessories included	Rail Kit
Warranty	5-Year Next Business Day, Onsite Warranty (Keep Your Own Hard Drives)

Mechanical / Environmental

Form Factor	2U Rackmount
Hard Drive Bays	12 x 3.5" Bays
Power Supply	2 x 580W (100-240VAC)
Heat Dissipation	1980 Max BTU/hr
Operating Temperature	41°F to 104°F (5°C to 40°C)
Operating Humidity	–12°C DP and 10% RH to 21°C DP and 80% RH, max DP 21°C / 5% to 100% non-condensing
Dimensions (WxDxH)	19" x 24.8" x 3.5" (483mm x 630mm x 88.9mm)
Max. Weight	52.7 lbs (26 kg) with drives
Mounting	Standard 19" Rack
Regulatory	UL 60950-1 (United States)	CAN/CSA-C22.2 No.60950-1-07 (Canada)	EN 60950-1 (European Union)	IEC 60950-1 (International)	CCC (China PRC – CCC Power Supplies)	BIS (India – BIS Power Supplies) FCC CFR 47 Part 15 Subpart B Class A (United States)	ICES/NMB-003 Class A (Canada)	EN 55022/EN 55032:2012 Class A (EU)	AS/NZS CISPR 22/CISPR 32 Class A (Australia/New Zealand)	VCCI Class A (Japan)	KN 22/ KN 32 Class A (S. Korea)	CNS 13438 Class A (Taiwan) EN 61000-3-2 (EU) EN 61000-3-3 (EU) EN 55024 (EU)	KN 24/KN 35 (S. Korea) The RoHS Directive (2011/65/ EU)	The WEEE Directive (2012/19/EU)	The REACH Directive (EC/1907/2006)	The Batteries Directive (2006/66/EC) Australia/New Zealand (RCM), Canada (cUL/ICES/NMB-003 Class A), China (CCC – PSU only), European Union (CE), Japan (VCCI), South Korea (MSIP), Taiwan (BSMI), United States (FCC/UL)

Ordering Information

SecurOS® SAN Part Numbers	SOS-STR-800-H-144T, SOS-STR-800-E-144T

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Partner Portal
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