

storEDIT SSD



Overview

High-density 2x 10Gb network attached storage server with an entry-level 2U rack server, designed for complex and critical applications, like media production and others that require high-availability.

The box has redundant power supply and a dedicated hardware RAID controller.

Product Highlights

- High performance storage
- High density (multiplied by 2)
- Redundant power supply and OS
- Flexible file system for Mac, Linux, or Windows, with automatic file defragmentation for faster file access
- Load balancing features for equivalent client throughput access
- Metadata/Data server optimized for high-performance video streaming
- Intuitive web interface for both clients and administrators, for easier data, workspaces and user management
- Reduces energy costs
- Web-Interface file preview with quick access to metadata info
- Option for user grouping for easier user management
- Project-based virtual workspaces encapsulated into virtual local drives
- Workspace quota management with dynamic workspace sizes
- Support for growing-files
- Support for AVID Bin-Locking (AVIDFS workspace drive)

Technical Specifications

Storage Models			
Model	sttssd30t	sttssd60t	sttssd120t
SSD models Capacities (RAW)	30TB (8x 3840GB drives)	60TB (16x3840GB drives)	120TB (16x7680GB drives)
SSD Drive Class	Enterprise Class		
Total SSD Endurance (TBW) *	30TB – 67280 TB	60TB – 134560 TB	120TB – 145760 TB
Maximum Throughput	Up to 19 Gbit/s		
Storage Management			
Dedicated RAID Controller	Yes. Datacenter class HostRAID adapter with 16 ports at 19 Gbit/s for performance hungry needs		
Write Cache Memory	Yes. 1024 MB with battery backed cache		
Write Cache Protection	Yes. Embedded flash backup with supercap (battery) included		
Expandable option	Only the option to stack multiple system units is available		
RAID Mode	Is available the options RAID 0, 1, 5, 6, 10, 50 and 60. The default configuration is RAID 5 in all different models		
Hot-Plug	Yes		
Hot-Spare option	Yes		
System			
CPU	Intel® Xeon® @ 2.2GHz with 4 Cores / 8 Threads		
Memory	16GB DDR4-2400 RDIMM Registered ECC		
Operating System Drive	2X SSD 240GB RAID 1		
Integrated Graphics	Yes		
Integrated RAID Control	Yes. ONLY for Operating System drives with redundancy in RAID 1 configuration		
Operating System			
Distribution	Windows Storage Server 2016R2.x64		
Option to Add/Edit/Remove Shares	Yes		
Option to Add/Edit/Remove Users	Yes		
External I/O			
Status indicators	Front Panel LEDs	Rear Panel LEDs	
	- Power status - Power Redundant Power Supply status - Individual Drive activity	- Network ports status and activity - Operating System Drives activity	
Video	1x VGA port		
USB	2x rear USB 3.0 and 2X front USB 2.0		
Ethernet	2x RJ45 10GBase-T ports with NIC Teaming** Support 2x RJ45 1GBase-T ports with NIC Teaming** Support 1x RJ45 IPMI network interface		
Mechanical			
Chassis Form Factor	2U Rack		
Chassis Depth	24 cm – 9,45 inches		
Rack Rails Included	Rail Less		
Front Drives Supported	8 or 16 drives for Data Storage		
Rear Drives Supported	2 unit drives per operating system		
Front Drive Form Factor	Hot-swap 2.5" drives with 7mm height		
Front Drive Key Lock	No		
Rear Drive Key Lock	Yes		
Electrical Characteristics			
Wattage	Dual Power Supply 300W		
Power Input	100-240V AC and 47-63HZ		
Usage Environment			
Temperature Storage	-40°C to 65°C (-40°F to 149°F)		
Temperature for continuous operation (for an altitude below 950 m or 3117 ft)	The recommended room temperature is 20 to 22°C (71.6°F). The temperature limits are 10°C to 32°C (50°F to 89.6°F) with no direct sunlight on the equipment. Note: MOG does not recommend the continuous usage in the temperature limits, this causes hardware degradation and reduction of the hardware life		
Relative humidity storage	5% to 95% RH with 33°C (91°F) maximum dew point. Atmosphere must be non-condensing at all times		
Relative humidity for continuous operation (for an altitude below 950 m or 3117 ft)	10% to 80% Relative Humidity with 29°C (84.2°F) maximum dew point		

* The total SSD endurance TBW is calculated by this formula:

Total TBW = disk TBW x n° of drives in the system.

The total SSD endurance TBW does not include the parity penalty if any RAID is configured.

The individual drive TBW for each model is:

- 3840GB - 8410TBW

- 7680GB – 9110TBW

** NIC Teaming supported is LACP and switch independent for redundancy purposes.