

HDD: entry-level solution for SME's



About HDD shared storage

The MOG network shared storage equipped with HDD drives is a cost-effective, ultra-compact, efficient and lightweight solution. It features an enterprise RAID controller with high performance and 10Gbit/s network interfaces with teaming support.

Main benefits

- Up to 32 TB Capacity;
- RAID controller with high performance
- HDD Drives with efficient performance
- Data disk failure tolerant
- Redundant power supply
- Entry-level shared storage for SMB

Main applications

- Ideal for small production houses, publishers, small industry or offices.

Storage Models

| | | |
|--|--|-------------------------------------|
| Model | stthdd16tb | stthdd32tb |
| HDD Capacities (RAW) | 16TB (8x2TB) | 32TB (16x2TB) |
| HDD Drive Class | | Standard Class |
| Maximum Throughput | 405 Mbit/s | 710 Mbit/s |
| Storage Management | | |
| Dedicated RAID Controller | Yes. Datacenter class HostRAID adapter with 8(for 8 drive unit models) or 16 (for 16 drive unit models) at 12 Gbit/s ports 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 / 8Threads | |
| Memory | 8GB DDR4-2400 RDIMM Registered ECC | |
| Operating System Drive | From 64GB SSD redundant drive | |
| Integrated Graphics | | Yes |
| Integrated RAID Control | Yes. ONLY for Operating system Drives for redundancy in RAID 1 configuration | |
| Operating System | | |
| Distribution | Windows Storage Server 2012R2.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 | - Network ports status and activity |
| | - Power Redundant Power Supply status | - Operating System Drives activity |
| | - Individual Drive activity | |
| Video | | 1x VGA port |
| USB | | 2x rear USB 3.0 |
| Ethernet | 2x RJ45 10GBase-T ports with NIC Teaming* Support | |
| | 2x RJ45 1GBase-T ports with NIC Teaming* Support | |
| | * NIC Teaming supported is LACP and switch independent for redundancy purposes | |
| 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 for operation system | |
| Front Drive Form Factor | Hot-swap 2.5" drives with 7mm (for 16 drive unit models) or 15mm (for 8 drive unit models) height. | |
| Front Drive Key Lock | | Only on the 8 drive unit models |
| 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 continuous operation (for altitude less than 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. **MOG does not recommend the continuous usage in the temperature limits, this causes hardware degrade 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 continuous operation (for altitude less than 950 m or 3117 ft) | 10% to 80% Relative Humidity with 29°C (84.2°F) maximum dew point. | |