

TrueNAS® Expansion Shelves

Scale storage capacity effortlessly

To meet the demands of today's applications, businesses need to store more data or move to an all-flash data center. In addition to Windows configurations, the modern business has to support a full range of storage protocols for Apple, Unix, and mobile devices. Thousands of terabytes of data needs to be retained for analysis by Big Data applications. To support these and other business requirements, and to reduce storage sprawl, they've turned to TrueNAS.

TrueNAS scales for a business that never sleeps: seamlessly add drives to a TrueNAS head or deploy expansion shelves.



HARDWARE SPECIFICATIONS

AVAILABLE DEVICES

- NL-SAS: 2 TB, 3 TB, 4 TB, 6 TB, 8 TB, 10 TB, 12 TB, and 14 TB
- SSD: 250 GB, 400 GB, 500 GB, 800 GB, 1 TB, 1.6 TB, 1.92 TB, 3.84 TB, and 7.68 TB
- HDD: 7.2k RPM: 2 TB, 4 TB, 6 TB 8 TB, 10 TB, 12 TB, and 14 TB
- TrueCache™ Read/Write Cache

POWER MANAGEMENT

- Dual redundant, hot-swappable cooling
- Dual redundant hot-swappable high-efficiency (90%+) power supplies
- UPS signal response and alerts

* Power calculations are without hard drives populated. Drive calculations can be made using the following maximum guidelines (per drive): 3.5" 7200RPM - 13W; 3.5" 10K RPM - 14W; 3.5" 15K RPM - 15W; 2.5" 10K RPM - 10W; SSD - 15W

AVAILABLE EXPANSION SHELVES

TRUENAS ES12

- Pairs with TrueNAS X10/X20/M40/M50
 - Up to 2 shelves for TrueNAS X10/X20
 - Up to 2 shelves for TrueNAS M40
 - Up to 12 shelves for TrueNAS M50
- Up to 12 2.5"/3.5" hot-swap drives for a maximum capacity of 168 TB
- Redundant SAS Interface
- Power draw* 36 Watts
- 2RU, 20.9"x17.6"x3.5" (LxWxH)
- Empty weight: 26.3 LBS
- RoHS 6/6 compliant

TRUENAS ES24

- Pairs with TrueNAS M40, TrueNAS M50, and TrueNAS Z50
 - 2 shelves for TrueNAS M40
 - 12 shelves for M50
 - 4 shelves for TrueNAS Z50
- Up to 24 2.5"/3.5" hot-swap drives for a maximum capacity of 336 TB
- Redundant SAS Interface
- Power draw* 80 Watts
- 4RU, 20.5"x19"x7" (LxWxH)
- Empty weight: 40 LBS
- RoHS 6/6 compliant

TRUENAS ES60

- Pairs with TrueNAS X20, TrueNAS M40, and TrueNAS M50
 - 1 shelf for X20
 - 2 shelves for M40
 - 12 shelves for M50
- Up to 60 2.5"/3.5" hot-swap drives for a maximum capacity of 840 TB in an ES60
- Redundant SAS Interface
- Power draw* 101 Watts
- 4RU, 39.5"x16.69"x6.9" (LxWxH)
- Empty weight: 85 LBS
- RoHS 6/6 compliant

	Base Unit Storage Controller + Drives	ES12s	ES24s	ES60s
TrueNAS X10 Max Capacity	120 TB	360 TB	Not supported	Not supported
TrueNAS X20 Max Capacity	120 TB	360 TB	Not supported	720 TB
TrueNAS M40 Max Capacity	336 TB	672 TB	1 PB	2 PB
TrueNAS M50 Max Capacity	336 TB	2.35 PB	4.37 PB	10.4 PB
TrueNAS Z50 Max Capacity	60 TB	Not supported	120 TB and 860 TB	Not Supported



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