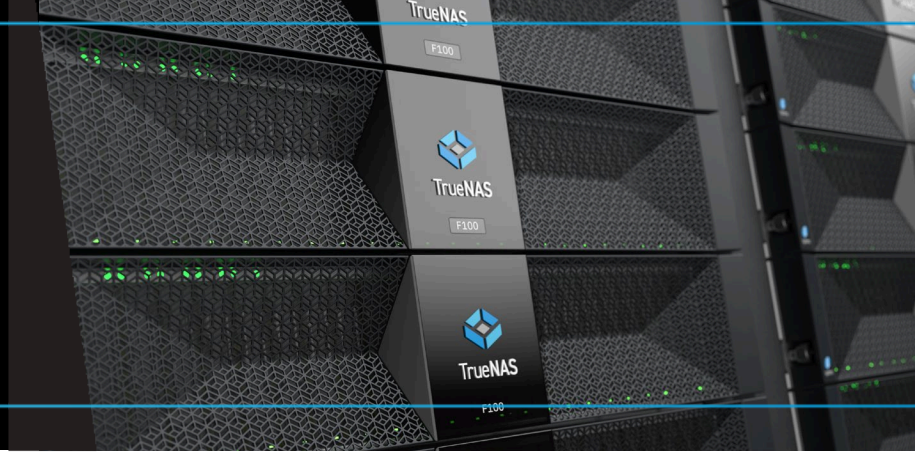# TrueNAS F-Series
High Performance NVMe Storage

STYLITE
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Features

Extreme Performance & High Availability
Utilizes NVMe flash technology, ZFS, and up to six 100 Gb/s network ports per controller for ultra-fast data movement. Dual Node High Availability (HA) ensures uninterrupted operations with automatic failover.

Advanced Data Protection
Self-healing ZFS detects and repairs in-flight data corruption, prevents bit rot, and safeguards data integrity at all times.

Intelligent Storage Efficiency
Offers built-in compression, snapshots, clones, and thin provisioning. TrueNAS Adaptive Compression (TAC) optimizes performance while maximizing capacity without wasting system resources.

Built-in Snapshots & Replication
Includes configurable retention, restoration, and replication without extra licensing fees, protecting data from ransomware, accidental deletion, and ensuring efficient disaster recovery.

Benefits

Unmatched Reliability
Enterprise-grade hardware and redundancy features minimize downtime, making it ideal for mission-critical workloads.

Cost-Effective Scalability
Delivers enterprise-level storage optimization, including snapshots and replication, without additional licensing fees.

Flexible Backup & Disaster Recovery
Data can be securely replicated across local, remote, or cloud environments for seamless business continuity.

Unmatched Performance

The TrueNAS F-Series is engineered for maximum productivity, combining industry-leading speed, density, reliability, and scalability. Designed for high-performance deployments, it seamlessly integrates open-source economics with enterprise-grade hardware and support. Whether handling media workflows, containerized applications, or other demanding workloads, the F-Series delivers the power and flexibility needed for modern IT environments.

With NVMe flash performance, a compact 2U form factor, and a unified storage approach, the TrueNAS F-Series offers high-speed data access and simplified management through an intuitive web-based interface. These systems ensure seamless scalability and enterprise-grade reliability with award winning support, making them an ideal solution for organizations that require both performance and ease of use.

The TrueNAS F60 and F100 models deliver all-flash, dual-controller storage with up to 10 PB capacity and support for multiple high-speed network interfaces—up to 6x 100 GbE. Built with energy efficient, high-performance NVMe Flash, the F-Series supports demanding workloads like media production, virtualization, and high-speed file sharing. Intelligent Storage Optimization enhances efficiency with data reduction ratios exceeding 2.5x, while High Availability (HA) architecture ensures uninterrupted storage services.

TrueNAS
OPEN ENTERPRISE STORAGE

F-Series Platform

Available Storage Media

- Enterprise Class NVMe Gen4 SSD (Dual Port)
  - Capacities from 7.6 TB to 60 TB
  - SED, FIPS 140-3 options

Power Management

- Dual redundant, hot-swappable, high-efficiency (80+ Platinum) power supplies
- High-line 200-240V 50/60Hz input power
- IPMI Remote power on/off

Disk Management

- Global hot spares
- Hot-swappable drives
- Corrupted block scan
- Drive activity/alert LEDs
- Local and remote (KMIP) key management
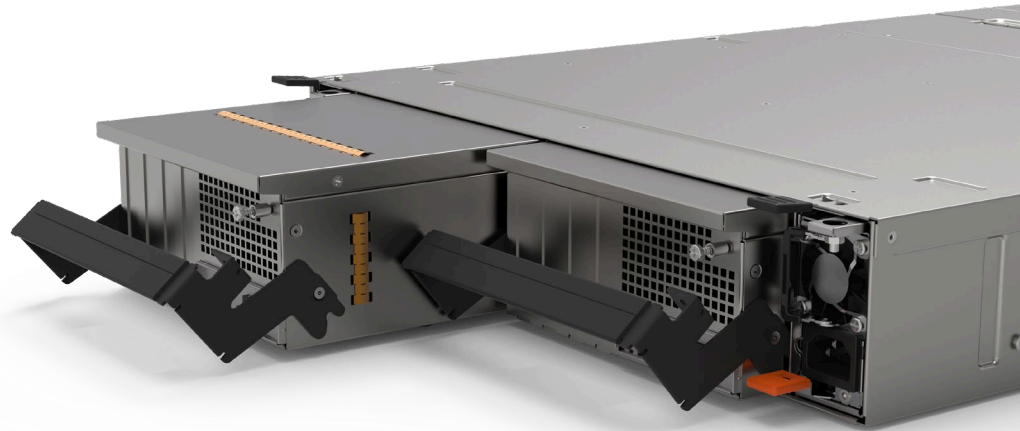- Enclosure monitoring and alerts

Physical Parameters

- 2U: 24x 2.5" NVMe SSD drive bays (front-loading, hot swap)
- Dimensions (l x w x h):
  - 27" x 19" x 3.5" │ 686 x 483 x 89 mm
- Rackmount rails 27" - 37"
- Operating temperature: 5°C to 35°C
- Non-operating temperature: 5°C to -35°C
- Humidity: 5% to 80% non-condensing
- Empty weight: 43 lbs │ 19.5 kg
- Fully-Loaded weight: 56.2 lbs │25.4kg
- RoHS 6/6 compliant, CE, FCC Class A, UL, TÜV, BSMI, KC, VCC

TrueNAS F-Series Models

	TrueNAS F60	TrueNAS F100
All-Flash Storage	Yes	
Dual Controller (HA)	Optional	
Controller	32 Cores / 64 Threads	48 Cores / 96 Threads
Read Cache (Max)	512 GB DRAM read cache	
Write Cache	Distributed Write Log	
Networking	Up to 4x 10/25/40/100 GbE (optical)	Up to 4x 10/25/40/100 GbE (optical) or Up to 8x 100GbE (optical)
Management IO	1x IPMI Out-of-Band Management Port, 1x WebUI Port	1x IPMI Out-of-Band Management Port, 1x WebUI Port
Max Capacity	4 PB	10 PB
Max Effective Capacity*	8 PB	20 PB
Max NVMe Expansion Shelves	2	6
Max Power Draw (HA)	996 Watts	1152 Watts
Typical Power Draw (HA)	600 Watts	800 Watts
Max Heat Output	3398 BTU/h	3931 BTU/h

*Maximum effective capacity assumes typical data reduction through compression and deduplication.

TrueNAS Enterprise Specifications

File-Based Protocols	Block-Based Protocols	Object Protocols	Directory Services	
• SMB v1/2/3 • NFSv3, v4 • AFP, FTP, WebDAV	• iSCSI • OpenStack Cinder	• S3-compliant using MinIO	• Active Directory (AD) • FreeIPA	• Kerberos • LDAP, NIS

Networking	Vir tualization	File System	High Availability	Data Mobility
• Port Trunking/NIC Teaming • IEEE 802.3ad link aggregation • IEEE 802.1q VLAN support	• Supports VMware and VAAI, ESXi snapshot integration, VM Warn/Stun, vCenter • Supports KVM, Citrix XenServer, Microsoft Hyper-V, and other common hypervisors • Microsoft VSS, ODX, and CSV • Integrated Apps	• OpenZFS Self-healing file system • Immutable Snapshots and clones • Thin and thick provisioning • Online capacity expansion • Virtual block devices • In-line compression and deduplication • ZFS Stripe, Mirror, RAID-Z1/Z2/Z3, dRAID	• Available dual controller support • Automated rapid failover without data loss • Virtual IP address migration • Online software updates	• Asynchronous file replication using Syncthing • Data ingest and export to and from any SMB/NFS ser ver

Backup	Supported Public Cloud Providers	TrueSecure Security	Remote Administration
• Snapshot-based OpenZFS local/remote replication • Rsync and cloudsync • Truecloud backup to Storj • Supports Asigra, Acronis, Veeam, Nakivo, NetBackup, and more	• iX-Storj • Amazon S3 • BackBlaze B2 Cloud • Google Cloud • Microsoft Azure	• FIPS 140 for Data-at-rest and data-in-flight • Restricted Admins (Security, Storage, Monitor) • Auditing of SMB & Admin events (e.g. logins) • Encrypted Drives and Datasets, KMIP • NIST 800-209, GPOS STIG	• Alert notifications via email, AWS-SNS, Hipchat, InfluxDB, Slack, Mattermost, OpsGenie, PagerDuty, and VictorOps • SSH, Syslog, Netdata • REST APIs and SNMP • Automated backup of system configuration and state • Graphical reporting, enclosure management • Signed updates with the ability to rollback • Out-of-Band Management • TrueCommand Management

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STYLITE

iX
True **PARTNER**

AUTHORIZED
TrueNAS
RESELLER

Optimieren Sie Ihre Speicherinfrastruktur mit TrueNAS.

Nehmen Sie Kontakt zu uns auf um mehr zu erfahren.

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