

# TrueNAS® R-Series

## High Performance, Unified Storage Appliances

**TrueNAS** is the world's most popular Open Source storage operating system. Built on **OpenZFS**, TrueNAS provides unified File, Block and Object services with all the essential data management features including data protection, snapshots, replication, scrubbing, data reduction, and security. TrueNAS is suitable for file serving, media streaming, backup, archive, virtualization, and databases.

**Developed and supported by iXsystems**, the TrueNAS R-Series is available in three editions: CORE, Enterprise, and SCALE. All TrueNAS systems are fully compatible and allow secure data replication and migration between each other. The TrueNAS Enterprise version is available with Bronze or Silver Enterprise support.

With the **TrueNAS R-Series**, iXsystems integrates TrueNAS with value-oriented, single-controller hardware that has configurable performance. The Open Source economics of TrueNAS provides the best value storage in the industry and the R-Series has excellent price-performance with systems ranging from 10 GbE to 100 GbE with up to 16 cores and 192 GB of RAM.



Open Source Economics	Support the TrueNAS Project
The TrueNAS R-Series delivers the economic advantages of Open Source software on an industry standard x86 platform. The R-Series supports CORE, Enterprise, or SCALE and can be repurposed with any other software. Low risk and great value!	The TrueNAS Community is run by a team of dedicated engineers employed by iXsystems. Purchasing a TrueNAS R-Series system contributes to the ongoing operation, development, and stability of the TrueNAS Project.
ZFS System Optimized for TrueNAS	Built for Professionals
While TrueNAS works with a wide range of x86 based hardware, there are significant performance and operational benefits from selecting a balanced platform with best-in-class components like cache devices. The R-Series is designed with many price-performance options ranging from 10 GbE to 100 GbE.	Building a NAS from the latest components requires research and testing. iXsystems builds each system and can even set up your storage pools. Your TrueNAS R-Series also includes a 3-Year warranty for software and hardware as well as a license for graphical enclosure management.
Rich TrueNAS Feature Set and more...	Easy to use Management Interfaces
NFS, SMB, AFP (Apple), S3, and iSCSI services <ul style="list-style-type: none"><li>• All flash, all HDD, fusion, and hybrid pools</li><li>• Integrated Jails, VMs, Plugins</li><li>• M.2 NVMe flash boot drive and flash accelerators</li><li>• Hot swap drives with tool-less, front-loading bays</li><li>• Redundant, efficient power supplies and fans</li></ul>	TrueNAS includes many management tools and interfaces including a modern Web UI, REST APIs, and a powerful CLI. Active Directory, LDAP, and two-factor authentication are also available. TrueCommand provides single-pane-of-glass management for many TrueNAS systems and includes advanced reporting, alerts, analytics, auditing, and RBAC.



Each TrueNAS R-Series system is custom configured by selecting a chassis, controller, network ports, cache devices, and storage media.



Systems	TrueNAS R10	TrueNAS R20	TrueNAS R40	TrueNAS R50
Rack Space (19" rack)	1 U	2 U - 10 U	2 U - 6 U	4 U - 12 U
Chassis Depth	27", 686mm	26", 660mm	26", 660mm	34.5", 876mm
Controllers	Single	Single	Single	Single
Drive Bays	16 × 2.5" 7 mm	12 × 3.5", 2 × 2.5"	48 × 2.5", 7 mm	48 × 3.5", 2 × 2.5"
CPU per Controller	6 - 10 Cores	6 - 16 Cores	6 - 16 Cores	6 - 16 Cores
DRAM Per Controller	32 GB - 96 GB	32 GB - 192 GB	64 GB - 192 GB	64 GB - 192 GB
Max Ethernet Speed	2 × 100 GbE	2 × 100 GbE	2 × 100 GbE	2 × 100 GbE
Fibre Channel (option)	2 × 32 Gb	2 × 32 Gb	2 × 32 Gb	2 × 32 Gb
Expansion Shelves Supported	0	2	2	2
<b>Storage</b>	<b>All-Flash</b>	<b>Hybrid</b>	<b>All-Flash</b>	<b>Hybrid</b>
Max Capacity	120 TB	1.5 PB	720 TB	2 PB
Max Effective Capacity*	400 TB	4 PB	2 PB	5 PB
Max Read & Write Cache		2 × 1.6 TB SATA SSD		2 × 3.2 TB SSD
Performance	Up to 500K IOPS and 10 GB/s. Varies based on configuration. Please contact us.			
Pricing	Starting at \$3,000. Grow HDD capacity at less than \$50/TB, All-Flash at less than \$200/TB.			

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

### Contact iX for more information

855-GREP-4-IX (US) | 408-943-4100 | [TrueNAS.com](https://www.truenas.com)

2490 Kruse Drive | San Jose, CA 95131

