

QNAP TL-R1620Sep-RP HDD enclosure Black, Grey 2.5/3.5"

Model: TL-R1620SEP-RP

Manufacturer: QNAP

EAN: 4713213518588

Product Code: 1745327

R101,706

The TL-R1620Sep-RP SAS 12Gb/s storage expansion enclosure is designed for expanding the storage space of your QTS or QuTS hero NAS. Up to sixteen expansion enclosures can be daisy-chained via high-speed mini SAS HD cables to support up to 4.6PB raw capacity, ideal for archiving/backing up virtualization applications, surveillance recordings, large data, or multimedia. Featuring Broadcom® SAS DataBolt™ bandwidth optimization technology, the TL-R1620Sep-RP consolidates 6Gb/s infrastructure into 12Gb/s. With four mini SAS HD SFF-8644 Wide Ports, the TL-R1620Sep-RP delivers up to 192Gbps transfer speed when connected to a single host. When connected to a QTS/QuTS hero NAS that supports multipath routing, the TL-R1620Sep-RP can achieve smoother data transmission and continuous system operation.

Achieve up to 96Gb/s with link aggregation

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The TL-R1620Sep-RP is powered by a low-power 28nm SAS35x36R SAS Expander and supports 12/6 Gb/s SAS/SATA drives. Also, it has four 12 Gb/s SAS 3.0 (x4 Lane) SFF-8644 SAS Wide Ports. By connecting the TL-R1620Sep-RP to the host NAS and daisy-chaining multiple JBODs with two wide ports configured with link aggregation, the solution delivers up to 96Gb/s transfer speed.

Supports SAS DataBolt technology, delivers 12Gb/s speed using existing 6Gb/s infrastructure

Featuring Broadcom® SAS DataBolt™ bandwidth optimization technology, the TL-R1620Sep-RP features an intelligent data buffer for transferring data to drives at speeds that match the performance of the host NAS. Whether the TL-R1620Sep-RP uses 12Gb/s or 6Gb/s drives, the NAS host will transfer data to the TL-R1620Sep-RP at 12Gb/s, allowing you benefit from high-speed 12Gb/s SAS transmission with existing 6Gb/s infrastructure.

Connect up to 16 JBODs, support up to 4.6 PB raw capacity

The TL-R1620Sep-RP has four 12 Gb/s SAS 3.0 (x4 Lane) SFF-8644 SAS Wide Ports. Up to sixteen TL-R1620Sep-RP can be daisy-chained to achieve a raw capacity of up to 4.6PB.

Multipath routing to ensure continuous system operations

By daisy chaining the TL-R1620Sep-RP, data transmission loads can be balanced with multipath routing to achieve high availability. If one route fails, another transmission route can be used to access the data and ensure continuous system operations. The TL-R1620Sep-RP also features a redundant power supply to ensure system uptime.

Flexible daisy chaining modes

By daisy-chaining your NAS to multiple TL SAS JBODs and REXP SAS JBODs, you can take advantage of multipath routing and link aggregation to benefit from higher transfer speeds and system availability.

Storage Management

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With Storage & Snapshot Manager on the host NAS, you can configure and manage the TL-R1620Sep-RP settings (including RAID groups, storage pools and snapshots), allowing you to easily expand NAS storage to accommodate massive data or backup files. You can also configure and manage the TL-R1620Sep-RP via the Console Port.

Speed up remote file transfers with JBOD migration

Moving many small files or a single large data file over a network can be time-consuming and negatively impact network performance. By setting up the RAID configuration on the TL-R1620Sep-RP, you can use it to move files to another computer or NAS. Simply save the files to the TL-R1620Sep-RP, connect it to the destination device, and then copy the files over.

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