



TL-R1220Sep-RP

JBOD Connection Interface	SAS
Drive Bay	12 x 3.5-inch
	The system is shipped without HDD. For the HDD compatibility list, please visit https://www.qnap.com/compatibility/
Drive Compatibility	<p>3.5-inch bays:</p> <ul style="list-style-type: none"> 3.5-inch SAS 12Gb/s, 6Gb/s hard disk drives 3.5-inch SATA 6Gb/s, 3Gb/s hard disk drives 2.5-inch SATA 6Gb/s, 3Gb/s solid state drives <p>You can only use one disk type (HDD or SSD) in a RAID group. Combining different types of disk in one RAID group is not supported.</p>
Hot-swappable	Yes
Form Factor	2U Short Depth Rackmount
Host Interface	4 x 12Gb/s SAS 3.0 wide ports (4-wide port) Mini-SAS HD (SFF-8644)
LED Indicators	<p>Front panel: HDD 1-12, Power, Status, Link, Fan error</p> <p>Rear panel: SAS connector, Enclosure ID</p>
Buttons	Power
Dimensions (HxWxD)	88.65 × 482.2 × 423.8 mm
	Excludes ear hook and the protruding part of the Power Supply Unit.
Weight (Net)	10.66 kg
Weight (Gross)	14.26 kg
Operating Temperature	0 - 40 °C (32°F - 104°F)
Storage Temperature	-20 - 70°C (-4°F - 158°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	300W (x2), 100 - 240V

Power Consumption: Operating Mode, Typical	163.38 W Tested with drives fully populated.
Fan	2 x 80mm, 12VDC
System Warning	Buzzer
QTS / QuTS hero	Yes
Windows	Yes
Supports JBOD cascading	Yes
Supports expanding NAS storage pools	Yes
Supports Multi-path	Yes
Standard Warranty	5
Management	Managed via QNAP QTS / QuTS hero OS 1. Supports disk S.M.A.R.T. information 2. RAID expansion enclosure identifier 3. Locate RAID expansion enclosures 4. Locate hard disks on RAID expansion enclosure 5. Smart fan control by detecting system and hard drive temperature 6. In-band SAS firmware update

Note: Use only QNAP memory modules to maintain system performance and stability. For NAS devices with more than one memory slot, use QNAP modules with identical specifications and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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