



## Produktvergleich



TS-459U-RP+/SP+

TS-859U-RP+

TS-EC879U-RP

<b>Model</b>	-	TS-859U-RP+	TS-EC879U-RP
<b>Segment</b>	-	SOHO/ SMB	High-end SMB
<b>OS</b>	-	Embedded Linux	Embedded Linux
<b>CPU</b>	-	Intel® Atom™ 1.8 GHz (Dual-Core)	Quad-Core Intel® Xeon™ E3-1225 (3.1 GHz)
<b>Memory</b>	-	1GB RAM	4 GB DDR3 ECC RAM
<b>Flash</b>	-	512MB (DOM)	512MB (DOM for dual OS)
<b>Extra RAM Slot (Memory Expansion)</b>	-	-	Yes
<b>Max. number of HDD supported</b>	-	8x 3.5" SATA I/II or 8 x 2.5" SATA	8x 3.5" SATA I/II, SATAIII (6Gb/s) or 8 x 2.5" SATA
<b>Max. Capacity (EXT 3)</b>	-	2TB - 16TB	2TB - 16TB
<b>Max. Capacity (EXT 4)</b>	-	1EB (106 TB)	1EB (106 TB)
<b>LAN Ports</b>	-	2 x Gigabit LAN	GigaLAN x4 (Expandable for additional dual 10 Gb LAN ports)
<b>USB 2.0</b>	-	USB2.0 x4	USB 2.0 x4
<b>USB 3.0</b>	-	-	USB 3.0 x2
<b>eSATA</b>	-	2	2
<b>RS-232</b>	-	-	-
<b>VGA</b>	-	Reserved VGA interface for maintenance	Reserved VGA interface for maintenance
<b>LED Indicators</b>	-	Status, HDD 1-8, LAN	Status, eSATA, LAN, 10GbE
<b>LCD Display/ Button</b>	-	Yes	Yes
<b>Buttons</b>	-	Power, Reset, USB Auto Copy	Power, Reset
<b>Alarm Buzzer</b>	-	System Warning	System Warning
<b>Form Factor</b>	-	2U Rack Mount	2U Rack Mount
<b>Dimensions (DxWxH) mm</b>	-	531.5x 482.6x 88.9	88 x 439 x 520
<b>Weight (Net/ Gross) kg</b>	-	12.15 kg/ 16.7 kg	12.52 kg/ 20.76 kg
<b>Temperature</b>	-	0- 40 °C	0- 40 °C
<b>Humidity</b>	-	0- 95% R.H	0- 90% R.H
<b>Power Supply Specification</b>	-	Redundant/ Hot Swap ATX Power Supply, 300W, 100-240Vac~, 47-63Hz, 5A-2.5A	Redundant/ Hot Swap ATX Power Supply, 300W, 100-240Vac~, 47-63Hz, 5A-2.5A
<b>Power Consumption: Sleep Mode</b>	-	37W	68W

<b>Power Consumption: In Operation</b>	-	61W	132W
<b>Power Off (Wake-On-LAN)</b>	-	3W	3W
<b>Power Consumption: Power Off</b>	-	0.05W	0.05W
<b>File System: Internal Hard Drive</b>	-	EXT3, EXT4	EXT3, EXT4
<b>File System: External Hard Drive</b>	-	EXT3, EXT4, NTFS, FAT32, HFS+	EXT3, EXT4, NTFS, FAT32, HFS+
<b>Network Client Platform</b>	-	Windows XP/ Vista/ Windows 7, Windows Server 2003/R2, 2008/R2, Mac OS X, Linux, UNIX	Windows XP/ Vista/ Windows 7, Windows Server 2003/R2, 2008/R2, Mac OS X, Linux, UNIX
<b>Microsoft Network (CIFS/ SMB)</b>	-	Yes	Yes
<b>Mac (AFP 3.3)</b>	-	Yes	Yes
<b>Linux (NFS v3)</b>	-	Yes	Yes
<b>Internet (HTTP)</b>	-	Yes	Yes
<b>File Transfer Protocol (FTP)</b>	-	Yes	Yes
<b>Secure Internet (HTTPS)</b>	-	Yes	Yes
<b>WebDAV</b>	-	Yes	Yes
<b>TCP/ IP</b>	-	Yes	Yes
<b>Fixed/ Dynamic IP Address</b>	-	Yes	Yes
<b>Port Trunking</b>	-	Balance-rr (Round-Robin),Active Backup, Balance XOR, Broadcast, IEEE 802.3ad, Balance-tlb (Adaptive Transmit Load Balancing), Balance-alb (Adaptive Load Balancing)	Balance-rr (Round-Robin),Active Backup, Balance XOR, Broadcast, IEEE 802.3ad, Balance-tlb (Adaptive Transmit Load Balancing), Balance-alb (Adaptive Load Balancing)
<b>Multi-IP Settings</b>	-	Yes	Yes
<b>DHCP Server</b>	-	Yes	Yes
<b>Dynamic DNS</b>	-	Yes	Yes
<b>Jumbo Frame</b>	-	Yes	Yes
<b>Network Service Discovery (UPnP &amp; Bonjour)</b>	-	Yes	Yes
<b>Virtual LAN (VLAN)</b>	-	Yes	Yes
<b>Wireless LAN via USB Wi-Fi Adapter</b>	-	Yes	Yes
<b>Service Binding Based on Network Interfaces</b>	-	Yes	Yes
<b>IP Filter</b>	-	Yes	Yes
<b>Encrypted Remote Replication</b>	-	Yes	Yes
<b>Hot-swappable</b>	-	Yes	Yes
<b>Bad Blocks Scan</b>	-	Yes	Yes
<b>HDD S.M.A.R.T.</b>	-	Yes	Yes
<b>File System Check</b>	-	Yes	Yes
<b>PC-less RAID Setup via LCD Panel for First-time Installation (Touch-N-Go)</b>	-	Yes	Yes

<b>FIPS 140-2 Validated AES 256-bit Volume-based Encryption</b>	-	Yes	Yes
<b>External Drive Encryption</b>	-	Yes	Yes
<b>Built-in iSCSI Target Service</b>	-	Yes	Yes
<b>Virtual Disk (iSCSI Initiator)</b>	-	Yes	Yes
<b>RAID Recovery</b>	-	Yes	Yes
<b>Online RAID Capacity Expansion</b>	-	Yes	Yes
<b>Online RAID Level Migration</b>	-	Yes	Yes
<b>RAID10+ hot spare</b>	-	Yes	Yes
<b>RAID10</b>	-	Yes	Yes
<b>RAID 6+ hot spare</b>	-	Yes	Yes
<b>RAID 6</b>	-	Yes	Yes
<b>RAID 5+ Spare</b>	-	Yes	Yes
<b>RAID 5</b>	-	Yes	Yes
<b>RAID 1</b>	-	Yes	Yes
<b>RAID 0</b>	-	Yes	Yes
<b>JBOD</b>	-	Yes	Yes
<b>Single Disk</b>	-	Yes	Yes
<b>Global Hot Spare</b>	-	Yes	Yes
<b>Bitmap Support</b>	-	Yes	Yes
<b>iSCSI Target</b>	-	Yes	Yes
<b>iSCSI LUN Snapshot/Backup</b>	-	Yes	Yes
<b>Multi-LUN per Target</b>	-	Yes	Yes
<b>LUN Mapping &amp; LUN Masking</b>	-	Yes	Yes
<b>SPC-3 Persistent Reservation (iSCSI)</b>	-	Yes	Yes
<b>MPIO (iSCSI)</b>	-	Yes	Yes
<b>MC/S (iSCSI)</b>	-	Yes	Yes
<b>Virtual Disk Drive (via iSCSI Initiator)</b>	-	Yes	Yes
<b>Storage Plug &amp; Play (iSCSI &amp; Samba)</b>	-	Yes	Yes
<b>Web File Manager</b>	-	Yes	Yes
<b>FTP over SSL/ TLS (Explicit)</b>	-	Yes	Yes
<b>FTP Passive mode with Port Range Setup</b>	-	Yes	Yes
<b>Journaling File System</b>	-	Yes	Yes
<b>Unicode Support</b>	-	Yes	Yes
<b>Share Folder Level ACL Support</b>	-	Yes	Yes

<b>Advanced Folder Permission with Subfolder ACL Support for CIFS/SMB, AFP, FTP and Web File Manager</b>	-	Yes	Yes
<b>Users quota setting</b>	-	Yes	Yes
<b>FTP bandwidth control</b>	-	Yes	Yes
<b>Backup to external storage</b>	-	Yes	Yes
<b>Real-time Remote Replication (RTRR)</b>	-	Yes	Yes
<b>RTRR Max. Number of Jobs</b>	-	32	32
<b>Encrypted Remote Replication</b>	-	Yes	Yes
<b>Remote Replication</b>	-	Yes	Yes
<b>Support client backup software NetBak Replicator (Windows)</b>	-	Yes	Yes
<b>USB One-Touch-Copy</b>	-	-	Yes
<b>Apple Time Machine</b>	-	Yes	Yes
<b>Cloud Storage Backup</b>	-	Yes	Yes
<b>Microsoft Active Directory (AD) Authentication</b>	-	Yes	Yes
<b>LDAP Server</b>	-	Yes	Yes
<b>LDAP Client</b>	-	Yes	Yes
<b>Domain Users Login via CIFS/SMB, AFP, FTP and Web File Manager</b>	-	Yes	Yes
<b>3rd Party Backup Software Support</b>	-	CA BrightStor ARCserve Backup, Acronis True Image, EMC Retrospect, Symantec Backup Exec, LaCie SilverKeeper (backup)	CA BrightStor ARCserve Backup, Acronis True Image, EMC Retrospect, Symantec Backup Exec, LaCie SilverKeeper (backup)
<b>Alert Notification (Email, SMS, Windows Live Mesenger)</b>	-	Yes	Yes
<b>Smart fan</b>	-	Yes	Yes
<b>LCD display</b>	-	Yes	Yes
<b>LED display/ alarm buzzer</b>	-	Yes	Yes
<b>System software upgrade</b>	-	Yes	Yes
<b>Support network time protocol</b>	-	Yes	Yes
<b>Network Recycle Bin for File Deletion via CIFS/SMB and AFP</b>	-	Yes	Yes
<b>Wake on LAN</b>	-	Yes	Yes
<b>Schedule Power On/Off (15 settings)</b>	-	Yes	Yes
<b>Web-based GUI for System Administration</b>	-	Yes	Yes
<b>SNMP (v2 &amp; v3)</b>	-	Yes	Yes
<b>Real-time SystemResource Monitor</b>	-	Yes	Yes
<b>Firmware Live Update</b>	-	Yes	Yes
<b>Quick Test &amp; Rollback</b>	-	Yes	Yes

<b>Quick Install Wizard</b>	-	yes	yes
<b>Quick Start Guide</b>	-	Yes	Yes
<b>Save and restore configuration</b>	-	Yes	Yes
<b>LCD Panel Configuration</b>	-	Yes	Yes
<b>Reset button (admin password &amp; network settings)</b>	-	Yes	Yes
<b>Display all current login users</b>	-	Yes	Yes
<b>Display system log/ alert/ error</b>	-	Yes	Yes
<b>Display all connection logs to file-level</b>	-	Yes	Yes
<b>Display all DHCP assignment information</b>	-	Yes	Yes
<b>Send logs to a remote syslog server</b>	-	Yes	Yes
<b>UPS Support</b>	-	Yes	Yes
<b>Network UPS with SNMP Manaement</b>	-	Yes	Yes
<b>USB Printer (Max. 3)</b>	-	Yes	Yes
<b>PHP</b>	-	Yes	Yes
<b>MySQL</b>	-	Yes	Yes
<b>SQLite</b>	-	Yes	Yes
<b>phpMyAdmin</b>	-	Yes	Yes
<b>Joomla!</b>	-	Yes	Yes
<b>Telnet login</b>	-	Yes	Yes
<b>SSH login</b>	-	Yes	Yes
<b>Multimedia Station</b>	-	Yes	Yes
<b>Photo Station</b>	-	Yes	Yes
<b>Music Station</b>	-	Yes	Yes
<b>iTunes Server</b>	-	Yes	Yes
<b>UPnP media server: TwonkyMedia</b>	-	-	-
<b>Supported Music Format via UPnP</b>	-	mp3, mp4, m4a, m4a (ALAC), m4b, 3gp, apl, ac3, m1v, m4v, mov, aac, amr, awb, wav, pcm, lpcm, mp1, mp2, aif, aiff, aifc, snd, wma, ogg, flac	mp3, mp4, m4a, m4a (ALAC), m4b, 3gp, apl, ac3, m1v, m4v, mov, aac, amr, awb, wav, pcm, lpcm, mp1, mp2, aif, aiff, aifc, snd, wma, ogg, flac
<b>Supported Photo Format via UPnP</b>	-	jpg, jpe, jpeg, tiff, tif, gif, png, bmp	jpg, jpe, jpeg, tiff, tif, gif, png, bmp
<b>Supported Video Format via UPnP</b>	-	wmv, asf, vdr, avi, xvid, divx, flv, mpg, mpe, mts, m2ts, m2t, mpeg, spts, m2p, m2v, mp2t, mp2p, mpg2, dvr-ms, vob	wmv, asf, vdr, avi, xvid, divx, flv, mpg, mpe, mts, m2ts, m2t, mpeg, spts, m2p, m2v, mp2t, mp2p, mpg2, dvr-ms, vob
<b>Supported Playlist Format via UPnP</b>	-	m3u, m3u8, wpl, pls	m3u, m3u8, wpl, pls
<b>Web-based Download Station (BT/HTTP/FTP download)</b>	-	Yes	Yes
<b>UPnP auto port forwarding for BT download</b>	-	Yes	Yes

<b>DHT Support</b>	-	Yes	Yes
<b>TCP / UDP Support</b>	-	Yes	Yes
<b>Schedule download</b>	-	Yes	Yes
<b>Remote download management software (QGet)</b>	-	Yes	Yes
<b>Surveillance Station (Live audio &amp; video monitoring, recording, and playback over the Internet)</b>	-	Yes	Yes
<b>Surveillance Station (Complete recording function such as motion detection, continuous/ schedule recording/ synchronized audio recording, alarm schedule recording)</b>	-	Yes	Yes
<b>Surveillance Station (Real-time email notification to user upon alert events)</b>	-	Yes	Yes
<b>Max. Number of Cameras</b>	-	4	4
<b>Syslog Server</b>	-	Yes	Yes
<b>Antivirus</b>	-	Yes	Yes
<b>RADIUS Server</b>	-	Yes	Yes
<b>TFTP Server with PXE Booting</b>	-	Yes	Yes
<b>VPN Server (PPTP + OpenVPN)</b>	-	Yes	Yes
<b>MyCloudNAS Remote Access and File Sharing</b>	-	Yes	Yes
<b>MyCloudNAS Connect Utility for Windows</b>	-	Yes	Yes
<b>3rd Party Cloud Storage: Amazon S3, ElephantDrive, and Symform</b>	-	Yes	Yes
<b>QMobile for Music, Photo, and Video (iPhone, iPad, Android)</b>	-	Yes	Yes
<b>QFile (iPhone)</b>	-	Yes	Yes
<b>QPKG Center</b>	-	Yes	Yes
<b>VMware Ready®</b>	-	Yes	Yes
<b>Citrix Ready Models</b>	-	Yes	Yes
<b>FCC</b>	-	Yes	Yes
<b>CE</b>	-	Yes	Yes
<b>Max. Number of Users</b>	-	4096	4096
<b>Max. Number of User Groups</b>	-	512	512
<b>Max. Number of Share Folders</b>	-	512	512
<b>Max. Number of Concurrent Connections</b>	-	256	256
<b>Batch Creation of Users</b>	-	Yes	Yes
<b>Language</b>	-	English, German, French, Italian, Spanish, Polish, Swedish, Danish, Norwegian, Finnish, Russian, Japanese, Korean, Dutch, Czech,	English, German, French, Italian, Spanish, Polish, Swedish, Danish, Norwegian, Finnish, Russian, Japanese, Korean, Dutch, Czech,

		Traditional Chinese, Simplified Chinese, Turkish, Hugarian, Romanian, Thai, Portuguese/Brazil, Greek	Traditional Chinese, Simplified Chinese, Turkish, Hugarian, Romanian, Thai, Portuguese/Brazil, Greek
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