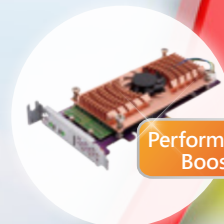


TS-x53BU Series

High-performance quad-core processor and one built-in PCIe expansion slot to meet your business needs

4 / 8 / 12-bay NAS
for businesses



Performance Boost

◀ QM2 M.2 SSD / 10GbE Network Expansion Card
Supports SSD caching and Qtier, a high-efficiency auto-tiering storage system



▶ Dual-port 10GbE Expansion Card
Instantly take advantage of high-bandwidth 10GbE networks



▶ Dual-port USB 3.1 Gen2 10Gbps Type-A Expansion Card
Enables lightning-fast transmission. Compatible with USB 3.0 and 2.0 devices.



- ◆ Equipped with quad-core Intel® Celeron® J3455 processor, burst up to 2.3 GHz and supports AES-NI encryption.
- ◆ Supports dual-channel 4K H.265/H.265 hardware decoding and on-the-fly or offline transcoding.
- ◆ Qtier technology and SSD cache enable 24/7 optimized storage efficiency.
- ◆ Manage and share information effectively with Qfiling, an automatic file organizer, and Qsirch, a full-text search engine.
- ◆ Supports QRM+ for unified remote server management, QvPC technology, virtual machine and container applications, and storage for virtualization.



TS-453BU
TS-453BU-RP

TS-853BU
TS-853BU-RP

TS-1253BU
TS-1253BU-RP



Hardware Specifications



Ordering SKUs	TS-453BU-4G TS-453BU-RP-4G	TS-453BU-8G TS-453BU-RP-8G	TS-853BU-4G TS-853BU-RP-4G	TS-853BU-8G TS-853BU-RP-8G	TS-1253BU-4G TS-1253BU-RP-4G	TS-1253BU-8G TS-1253BU-RP-8G
CPU	Intel® Celeron® J3455 4-core 1.5GHz (burst up to 2.3GHz)					
System memory	4GB : 2 x 2GB DDR3L 8GB : 2 x 4GB DDR3L					
Memory Slots	SODIMM x 2 (MAX. 8GB)					
Flash Memory	4GB eMMC					
PCIe Slot	1 x PCIe Gen 2 x2 slot					
Drive Trays	4		8		12	
Drive Types	SATA 6Gb/s, 3Gb/s HDD or SSD; Hot-swappable					
USB	4 x USB 3.0 (Rear)					
LAN Ports	4 x GbE					
HDMI Output	1 x HDMI 1.4b					
LED Indicators	System Status, HDD, Expansion, LAN					
Buttons	Power, Reset					
Form Factor	1U, rack mountable		2U, rack mountable		2U, rack mountable	
Dimensions	44 (H) x 439 (W) x 499 (D) mm 1.73 (H) x 17.28 (W) x 19.65 (D) inch		89(H) x 482(W) x 534(D) mm 3.5(H) x 18.98(W) x 21.02(D) inch		89 (H) x 482 (W) x 534 (D) mm 3.5 (H) x 18.98 (W) x 21.02 (D) inch	
Net Weight	7.63 kg (16.82 lbs.)		11.02 kg (24.29 lbs.)		16.14 kg (35.58 lbs.)	
Temperature	0-40°C					
Relative Humidity	0~95% R.H.					
Power Supply	ATX 250W (redundant x 2)		ATX 250W (redundant x 2)		ATX 350W (single) ATX 250W (Redundant)	
Fan	2 x 40mm, 12V DC		2 x 70mm, 12V DC		2 x 70mm, 12V DC	

Software Specifications

Supported Disk Group Types	RAID 0/1/5/6/10, + hot spare, single, JBOD
Storage Manager	Flexible disk area and LUN configuration; online storage pool RAID capacity expansion and configuration migration
Supported Client Systems	Windows 7, Windows 8, Windows 10, Windows Server 2003/2008 R2/2012/2012R2, Mac OS X 10.6+, Linux and UNIX
Internal File System	EXT4
External File System	EXT4, EXT3, NTFS, HFS+, FAT32, exFAT* *Additional ExFAT license required
Supported Protocols	CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, and SMSC
File Sharing	Maximum number of users: 4096; Maximum number of user groups: 512; Maximum shared folders: 512; Maximum simultaneous connections: 800
Other Features	File Station, Photo Station, Music Station, Video Station, Download Station, Qsync, Notes Station, HD Station, FTP Server, Print Server, VPN Server, VPN Client, Qtier, Antivirus, Qsirch, Qcontactz, QmailAgent, Qfiling
Streaming Server	DLNA Server, Airplay, Chromecast, iTunes Server
Remote Access	myQNAPcloud

Accessories

Type	Ordering SKU	Description
Expansion Unit	UX-1200U-RP	Rackmount 12-bay USB 3.0 RAID expansion enclosure
	UX-800U-RP	Rackmount 8-bay USB 3.0 RAID expansion enclosure
Memory	RAM-2GDR3LA0-SO-1866	2GB DDR3L 1866MHz SODIMM RAM
	RAM-2GDR3L-SO-1600	2GB DDR3L 1600MHz SODIMM RAM
	RAM-4GDR3LA0-SO-1866	4GB DDR3L 1866MHz SODIMM RAM
M.2 SSD	RAM-4GDR3L-SO-1600	4GB DDR3L 1600MHz SODIMM RAM
	SSD-M2080-256GB-A01	256GB M.2 2280 SATA 6Gb/s SSD* * Need to be used with QM2 expansion card
Expansion Card	QM2-2S	Supports two M.2 2280/ 22110 SATA SSD
	QM2-2P	Supports two M.2 2280/ 22110 PCIe SSD
	QM2-2S10G1T	Supports two M.2 2280/ 22110 SATA SSD and provides a single-port 10GbE slot
	QM2-2P10G1T	Supports two M.2 2280/ 22110 PCIe SSD and provides a single-port 10GbE slot
	LAN-10G1SR	1-port 10GbE SFP+ adapter
LAN-10G2SF-MLX	2-port 10GbE SFP+ adapter	
LAN-10G2T-X550	2-port 10GbE 10GBASE-T adapter	

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