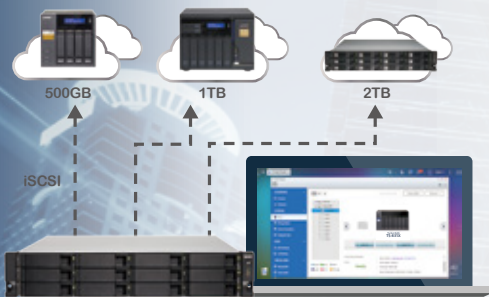


4/8/12-bay Turbo NAS Series

TS-x31XU

Cost-effective, integrated dual-port 10GbE SFP+ NAS with ARM® Cortex-A15 Annapurna Labs Alpine AL-314 quad-core 1.7GHz processor, and 2GB/4GB RAM

**Virtual JBOD (VJBOD)
Network-Based JBOD**



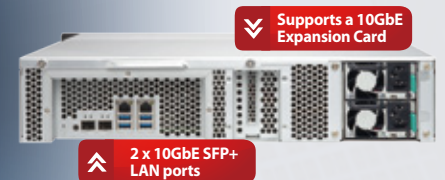
Economically expand the capacity of other QNAP NAS

Container Station for IoT Era



Rapidly deploy IoT apps with Container Station

Integrated 2 x 10GbE SFP+ Ports



Up to 3x 10GbE Ports

TS-431XU / TS-431XU-RP

TS-831XU / TS-831XU-RP

TS-1231XU / TS-1231XU-RP

- Centralized data management, file sharing, and Hybrid Backup Sync advanced backup tool
- Advanced hardware encryption engine for accelerated encryption performance
- Quickly locate files with Qsirch, a full-text search engine
- Storage expandable with two 12-bay UX-1200U-RP or 8-bay UX-800U-RP expansion enclosures



Hardware Specifications and Accessories

- 1 Power Button
- 2 LEDs: Status, LAN, USB
- 3 2 x GbE
- 4 2 x 10GbE SFP+
- 5 Console Port (Maintenance)
- 6 PCIe Expansion Slot
- 7 4 x USB 3.0



Ordering P/N	TS-431XU-2G	TS-431XU-RP-2G	TS-831XU-4G	TS-831XU-RP-4G	TS-1231XU-4G	TS-1231XU-RP-4G
Processor	Annapurna Labs Alpine AL-314 quad-core 1.7 GHz ARM® Cortex-A15 CPU					
Hardware Encryption Acceleration	✓					
System Memory	2GB DDR3 (1 x 2GB)		4GB DDR3 (1 x 4GB)			
Maximum Memory	16GB (2 x 8GB)					
Memory Slots	2 x SODIMM DDR3 (Note: For dual-DIMM configurations, you must use a pair of identical DDR3 RAM modules.)					
Flash Memory	512MB					
Drive Type	4 x 3.5"/2.5" SATA 6Gb/s HDDs/SSDs		8 x 3.5"/2.5" SATA 6Gb/s HDDs/SSDs		12 x 3.5"/2.5" SATA 6Gb/s HDDs/SSDs	
10GbE LAN	2 x 10 Gigabit SFP+ LAN Port					
GbE LAN	2 x Gigabit RJ45 LAN Port					
USB	4 x USB 3.0 ports					
PCIe Slot	1 x PCIe Gen2 (x2)					
LED	Status/Power, LAN, HDD 1-4		Status/Power, LAN, HDD 1-8		Status/Power, LAN, HDD 1-12	
Button	Power, Reset					
Other	Kensington security slot · console port					
Dimension (H x W x D)	44 x 439 x 499 mm 1.73 x 17.28 x 19.65 inch		89 x 482 x 534 mm 3.5 x 18.98 x 21.02 inch		89 x 482 x 534 mm 3.5 x 18.98 x 21.02 inch	
Weight	Net: 7.63 kg (16.82 lbs) Gross: 11.60 kg (25.57lbs)	Net: 7.63 kg (16.82 lbs) Gross: 11.60 kg (25.57lbs)	Net: 11.02 kg (24.29 lbs.) Gross: 19.26 kg (42.46 lbs.)	Net: 11.02 kg (24.29 lbs.) Gross: 19.26 kg (42.46 lbs.)	Net: 16.14 kg (35.58 lbs.) Gross: 18.98 kg (41.84 lbs.)	Net: 16.14 kg (35.58 lbs.) Gross: 18.98 kg (41.84 lbs.)
Operating Temperature	0~40°C					
Relative Humidity	5~95% RH non-condensing, wet bulb: 27°C					
Noise Level	37.7	38.3	41.3	48.3	41.6	47.6
Power Consumption	HDD standby: 22.43 In operation: 36.97	HDD standby: 36.05 In operation: 51.16	HDD standby: 24.72 In operation: 52.78	HDD standby: 37.15 In operation: 64.36	HDD standby: 36.31 In operation: 77.32	HDD standby: 48 In operation: 88.27
Power	ATX 240W, Input: 100V-240V ~ / 3.5A, 47Hz-63Hz	ATX 250W, 100-240V AC, 5A-2.5A, 50Hz-60Hz	ATX 240W, Input: 100V-240V ~ / 3.5A, 47Hz-63Hz	ATX 250W, 100-240V AC, 5A-2.5A, 50Hz-60Hz	ATX 240W, Input: 100V-240V ~ / 3.5A, 47Hz-63Hz	ATX 250W, 100-240V AC, 5A-2.5A, 50Hz-60Hz
Fan	2 x 4cm system fan (12V DC)		2 x 7cm system fan (12V DC)			

Accessories

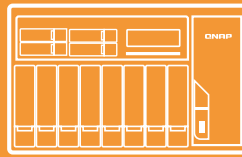
		Ordering P/N	Description
Expansion Unit		UX-1200U-RP	QNAP 12-bay expansion unit Dimension (H x W x D): 185.2 x 298.2 x 235.4 mm / 7.29 x 11.74 x 9.27 inch Net Weight: 7.3 kg / 16.08 lbs
		UX-800U-RP	QNAP 8-bay expansion unit Dimension (H x W x D): 185.2 x 210.6 x 235.4 mm / 7.29 x 8.29 x 9.27 inch Net Weight: 5.1 kg / 11.24 lbs
Expansion Card		LAN-10G15R	Single-port 10GbE SFP+ NIC
		LAN-1G2T	Dual-Port Gigabit NIC
Memory		RAM-8GDR3-SO-1600	8GB DDR3-1600 SO-DIMM
		RAM-4GDR3-SO-1600	4GB DDR3-1600 SO-DIMM
		RAM-2GDR3-SO-1600	2GB DDR3-1600 SO-DIMM
		CAB-DAC15M-SFPP-A02	1.5M SFP+ 10GbE 高速線纜 DAC (Twinaxial Direct Attach Cable)

4/8/12-bay Turbo NAS Series

TS-x31XU

Cost-effective Quad-core NAS with Two 10GbE SFP+ Ports

1TB

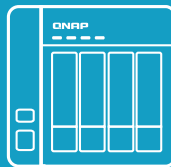


VJBOD allows using the NAS to expand the storage capacity of other QNAP NAS

2TB



500GB



Scalable design with 2 QNAP UX-1200U-RP expansion units for total storage capacity of up to 36 drives

QNAP Systems, Inc.

TEL : +886-2-2641-2000 FAX : +886-2-2641-0555 Email: qnapsales@qnap.com
Address : 3F, No.22, Zhongxing Rd., Xizhi Dist., New Taipei City, 221, Taiwan

QNAP may make changes to specification and product descriptions at any time, without notice.
Copyright © 2017 QNAP Systems, Inc. All rights reserved.
QNAP® and other names of QNAP Products are proprietary marks or registered trademarks of QNAP Systems, Inc.
Other products and company names mentioned herein are trademarks of their respective holders.
Celeron is a trademark of Intel Corporation in the U.S. and/or other countries.

Netherlands (Warehouse Services)

Email: nlsales@qnap.com
TEL: +31(0)107600830

Germany

Email: desales@qnap.com
TEL: +49-89-381562991

China

Email: cnsales@qnap.com.cn
TEL: +86-400-628-0079

India

Email: indiasales@qnap.com

US

Email: usasales@qnap.com
TEL: +1-909-595-2782

Thailand

Email: thsales@qnap.com
TEL: +66-2-5415988



51000-024104-RS
201701 (EN) A