

QNAP

QTS-Linux Combo NAS

TS-x53A Series

4K2K UHD

Q vPC
Technology



Use your NAS as a PC



QTS & Linux dual-system NAS
offering unlimited applications



Access QTS & Linux with a web browser

1



HD Station & Linux Station

2



Enjoy QNAP services with mobile devices

3



- Powered by quad-core Intel® Celeron® N3150 processor
- QTS & Linux Station, the perfect combination for IoT applications
- Two microphone inputs and one Line Out audio output
- Dual HDMI outputs for an extended display or mirrored mode
- AES-NI hardware acceleration engine for full NAS encryption



TS-253A



TS-453A



TS-653A









TS-853A

Hardware Specifications and Accessories



Model No.	TS-253A-4G	TS-253A-8G	TS-453A-4G	TS-453A-8G	TS-653A-4G	TS-653A-8G	TS-853A-4G	TS-853A-8G
CPU	14nm quad-core Intel® Celeron® N3150 1.6 Hz (burst up to 2.08GHz)							
Floating Point Unit	√							
Hardware Encryption Engine	√ (AES-NI)							
Graphics	8th Generation Intel® HD Graphics							
Pre-installed Memory	4GB (2 x 2GB)	8GB (2 x 4GB)	4GB (2 x 2GB)	8GB (2 x 4GB)	4GB (2 x 2GB)	8GB (2 x 4GB)	4GB (2 x 2GB)	8GB (2 x 4GB)
Memory Expandable up to	8 GB							
Total Memory Slots	2, SODIMM DDR3L-1600 (*To install on both DIMM slots, the same type of memory same size, speed, and manufacturer) should be used for each slot.							
Flash	512MB							
Max. number of HDDs/SSDs	2		4		6		8	
Compatible Drive Type	Hot-swappable 3.5" SATA 6Gbps / SATA 3Gbps HDD or SSD or 2.5" SATA 6Gbps / SATA 3Gbps HDD or SSD							
LAN Ports	2 x Gigabit RJ-45 Ethernet ports		4 x Gigabit RJ-45 Ethernet ports					
USB Ports	4 x USB 3.0 ports (front: 1, back: 3) to support printers, external drives, and UPS, etc							
Video Output	2 x HDMI to support up to 4K 2160P Ultra HD output							
Audio Input	2 x 6.3mm microphone jack (only supports dynamic microphone)							
Audio Output	Line-out jack (to an amplifier)							
LED Indicators	Status, USB, HDD 1-2		Status, USB, HDD 1-4		√ Status, USB, HDD 1-6		Status, USB, HDD 1-8	
Front LCD Status Panel	×		Monochrome, backlit LCD status panel					
Buttons	Power/status, USB One-touch-copy, Reset							
IR Sensor	√, to support QNAP RM-IR002 and RM-IR003 remote control							
Other Connectors	system maintenance port							
Buzzer	System alarm							
Form Factor	Desktop							
Dimensions	150 x 102 x 216 mm 5.91 x 4.02 x 8.5 inch		177 x 180 x 235 mm 6.97 x 7.09 x 9.25 inch		175 x 257 x 235 mm 6.89 x 10.12 x 9.25 inch		185.2 x 298.2 x 235 mm 7.29 x 11.74 x 9.25 inch	
Weight (Net/Gross)	Net: 1.74 kg (3.84 lbs) Gross: 2.92 kg (6.44 lbs)		Net: 3.65 kg (8.04 lbs) Gross: 4.65 kg (10.24 lbs)		Net: 5.2 kg (11.46 lbs) Gross: 6.5 kg (14.33 lbs)		Net: 7.3 kg (16.08 lbs) Gross: 8.6 kg (18.94 lbs)	
Power Consumption (W)	Sleep mode: 1.18W HDD standby: 8.38W In operation: 14.43W		Sleep mode: 1.61W HDD standby: 18.86W In operation: 32.35W		Sleep mode: 1.7W HDD standby: 32.02W In operation: 51.16W		Sleep mode: 1.91W HDD standby: 32.71W In operation: 58.8W	
Operating Temperature	0-40°C							
Relative Humidity	5~95% non-condensing, wet bulb: 27°C.							
Power Supply	65W AC power adapter , 110-240V		96W AC power adapter , 110-240V		ATX 240W power adapter , 110-240V AC, 50-60Hz, 5A			
System Fans	7cm quiet fan (12V DC)		12cm quiet fan (12V DC)		2 x9cm quiet fan (12V DC)		2x 12cm quiet fan (12V DC)	

Accessories

	Category	Model No.	Product description
Expansion enclosure		UX-800P	QNAP 8-bay expansion enclosures Size and weight : 185.2 x 298.2 x 235.4 (mm) (height x width x depth), 7.3 kg
		UX-500P	QNAP 5-bay expansion enclosures Size and weight : 185.2 x 210.6 x 235.4 (mm) (height x width x depth), 5.1 kg
Memory		RAM-2GDR3L-SO-1600	2GB DDR3L RAM, 1600 MHz, SO-DIMM
		RAM-4GDR3L-SO-1600	4GB DDR3L RAM, 1600 MHz, SO-DIMM
		RAM-8GDR3L-SO-1600	8GB DDR3L RAM, 1600 MHz, SO-DIMM
Remote Control		RM-IR002	QNAP IR Remote Control (shipped with the product)

An ideal platform to build and run IoT applications

TS-x53A Series

Powered by the QTS - Linux Dual-system NAS



TS-853A

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

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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



51000-023944-RS
201602 (ENG)B