



TS-231K

CPUAnaparalaba, an Amazon company Alpine AL214, 4-core, 17GHCPU Architecture3cbit ARMFloating Point UnitYesStytem Memory1GB DR3Maximum Memory1GB DR3Flash Memory1GB DR3Drive Bay2x3.5 inch SATA 6Gb/s, 3Gb/sDrive BaySi Shinch SATA fach Skaf drives Si Shinch SATA bard disk drives <th></th> <th></th>		
Floating Point UnitYesEncryption EngineYesSystem Memory1GB DDR3Maximum Memory1GB DDR3Flash Memory12 JAB (Dual boot OS protection)Drive Bay2 x 3.5-inch SATA hafd disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 	CPU	AnnapurnaLabs, an Amazon company Alpine AL214, 4-core, 1.7GHz
Find Propint EngineYesSystem Memory1GB DDR3Maximum Memory1GB DDR3Flash Memory512 MB (Dual boot OS protection)Drive Bay2 x 3.5-inch SATA 6Gb/s, 3Gb/sDrive Compatibility3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-	CPU Architecture	32-bit ARM
System MemoryIGB DDR3Maximum MemoryIGB DDR3Flash Memory512 MB (Dual boot OS protection)Drive Bay2 x 3.5-inch SATA 6Gb/s, 3Gb/sDrive Compatibility3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives <td>Floating Point Unit</td> <td>Yes</td>	Floating Point Unit	Yes
NameIGB DDR3Flash MemoryIGB DDR3Flash Memory512 MB (Dual boot OS protection)Drive Bay2 x 3.5-inch SATA 6Gb/s, 3Gb/sDrive Compatibility3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 	Encryption Engine	Yes
Flash Memory512 MB (Dual boot OS protection)Drive Bay2 x 3.5-inch SATA 6Gb/s, 3Gb/sDrive Compatibility3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk dr	System Memory	1GB DDR3
Drive Bay2 x 3.5-inch SATA 6Gb/s, 3Gb/sDrive Compatibility3.5-inch SATA hard disk drives s.5-inch SATA solid state drivesHot-swappableYesSDD Cache Acceleration supportYesGigabit Ethernet Port u2Vake on LAN (WOL)YesVake on LAN (WOL)YesJumbo FrameYesUSB 3.2 Gen 1 port3Form FactorTowerLED IndicatorsPower, Status, LAN, USB, HDD1-2ButtonsPower, Reset, USB Auto CopyDimensions (HxWxD)169 × 102 × 219 mm	Maximum Memory	1GB DDR3
Drive Compatibility3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drivesHot-swappableYesSD Cache AccelerationYesGigabit Ethernet Port (RV45)2Wake on LAN (WOL)YesJumbo FrameYesIUmbo FrameYesForm FactorTowerLED IndicatorsPower, Status, LAN, USB, HDD1-2ButtonsPower, Reset, USB Auto CopyDimensions (HxWxD)169 × 102 × 219 mm	Flash Memory	512 MB (Dual boot OS protection)
As a constant of the set of	Drive Bay	2 x 3.5-inch SATA 6Gb/s, 3Gb/s
SSD Cache Acceleration Yes Gigabit Ethernet Port 2 Wake on LAN (WOL) Yes Jumbo Frame Yes USB 3.2 Gen 1 port 3 Form Factor Tower LED Indicators Power, Status, LAN, USB, HDD1-2 Buttons Power, Reset, USB Auto Copy Dimensions (HXWXD) 169 × 102 × 219 mm	Drive Compatibility	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives
SupportGigabit Ethernet Port (R445)2Wake on LAN (WOL)VesJumbo FrameYesUSB 3.2 Gen 1 port3Form FactorTowerLED IndicatorsPower, Status, LAN, USB, HDD1-2ButtonsPower, Reset, USB Auto CopyDimensions (HxWxD)169 × 102 × 219 mm	Hot-swappable	Yes
(RI45)Wake on LAN (WOL)YesJumbo FrameYesUSB 3.2 Gen 1 port3Form FactorTowerLED IndicatorsPower, Status, LAN, USB, HDD1-2ButtonsPower, Reset, USB Auto CopyDimensions (HxWxD)169 × 102 × 219 mm		Yes
Jumbo FrameYesUSB 3.2 Gen 1 port3Form FactorTowerLED IndicatorsPower, Status, LAN, USB, HDD1-2ButtonsPower, Reset, USB Auto CopyDimensions (HxWxD)169 × 102 × 219 mm		2
USB 3.2 Gen 1 port3Form FactorTowerLD IndicatorsPower, Status, LAN, USB, HDD1-2ButtonsPower, Reset, USB Auto CopyDimensions (HxWxD)169 × 102 × 219 mm	Wake on LAN (WOL)	Yes
Form FactorTowerLED IndicatorsPower, Status, LAN, USB, HDD1-2ButtonsPower, Reset, USB Auto CopyDimensions (HxWxD)169 × 102 × 219 mm	Jumbo Frame	Yes
LED IndicatorsPower, Status, LAN, USB, HDD1-2ButtonsPower, Reset, USB Auto CopyDimensions (HxWxD)169 × 102 × 219 mm	USB 3.2 Gen 1 port	3
Buttons Power, Reset, USB Auto Copy Dimensions (HxWxD) 169 × 102 × 219 mm	Form Factor	Tower
Dimensions (HxWxD) 169 × 102 × 219 mm	LED Indicators	Power, Status, LAN, USB, HDD1-2
	Buttons	Power, Reset, USB Auto Copy
Weight (Net) 1.46 kg	Dimensions (HxWxD)	169 × 102 × 219 mm
	Weight (Net)	1.46 kg

Weight (Gross)	2.49 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	60W/65W Adapter, 100-240V
Power Consumption: HDD Sleep Mode	8.46 W
Power Consumption: Operating Mode, Typical	15.6 W
Fan	1 x 7 cm smart fan (12V DC)
Sound Level	19.2 db(A)
System Warning	Buzzer
Kensington Security Slot	Yes
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	400

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.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. * Sound Level Test

Environment: Refer to ISO 7779; Maximum HDD loaded; Bystander Position; Average data from 1 meter in front of operating NAS. Product images are for illustrative purposes only and may differ from the actual product. Due to differences in monitors, colors of products may also appear different to those shown on the site.

Designs and specifications are subject to change without notice.