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Waterfall Office Park, 28 Augrabies Rd Vorna Valley, Midrand, 1685
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QNAP TS-231P NAS/storage server Desktop Annapurna Labs AL212 1 GB DDR3 0 TB QNAP Turbo System Grey, White

Model: TS-231P

Manufacturer: QNAP

Product Code: 12149

R4,530 ~~R4,889~~

The TS-231P is a powerful yet easy-to-use network storage center for backup, synchronization, remote access, and home entertainment with many feature-rich apps available, including Notes Station (create digital notes on a secure private cloud and share with colleagues and friends), QmailAgent (centralize email account management and back up emails), and Qcontactz (centrally store and manage contact information). All these apps (and more) are available at no extra cost. The dual-core TS-231P features three USB 3.0 ports and dual LAN ports, delivering outstanding multitasking performance to enhance your productivity & digital life and offering an ideal storage

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and backup center as a secure private cloud.

Dual-core processor delivers high performance

Equipped with an AnnapurnaLabs, an Amazon company Alpine AL-212 dual-core 1.7 GHz Cortex-A15 processor and 1GB DDR3 RAM, the TS-231P is a high-performance NAS for home, workgroups and SOHO users providing outstanding performance of up to 224 MB/s read & 176 MB/s write throughput. The TS-231P's enhanced hardware-based encryption and decryption engine provides transfer speeds of over 179 MB/s with AES 256-bit full NAS volume encryption, boosting system performance & security while ensuring the safety of sensitive personal data stored in the NAS. When used with a compatible 802.11ac or dual-band 2.4GHz/5GHz 802.11n USB Wi-Fi adapter, the TS-231P becomes an ideal media center with remarkably high speeds for transferring a large amount of files and streaming bandwidth-intensive multimedia.

High Efficiency with dual LAN support

The TS-231P supports multiple port-trunking modes, enabling administrators to set up link aggregation to increase total data transmission potential. Failover and dual IP are also supported to ensure continuous system operations. Supported port-trunking modes include: Balance-rr (Round-Robin), Active Backup, Balance XOR, Broadcast, IEEE 802.3ad, Balance-tlb (Adaptive Transmit Load Balancing) and Balance-alb (Adaptive Load Balancing).

Enhance productivity with multiple USB 3.0 ports

Equipped with three SuperSpeed USB 3.0 ports, the TS-231P allows you to flexibly arrange tasks with a wide range of external devices without interrupting your current workflow. You can back up files to USB drives, access data stored on SD cards via USB card readers, share up to 3 printers via network, and connect to a UPS to ensure a continual power supply.

QTS - Simple and efficient

Thanks to the intuitive user interface of QTS, your NAS experience is smarter, smoother and spectacular. Its modern flat design streamlines loading times, and the intelligent desktop allows you to find desired functions quickly, create desktop shortcuts or group shortcuts, monitor important

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system information on a real-time basis, and open multiple application windows to run multiple tasks concurrently, bringing greater working efficiency. QTS breaks the barriers of devices, platforms and geography to bring optimized cloud experiences to you.

Create digital notes on your private cloud

The revamped Notes Station features an optimized interface for a smoother user experience. Notes Station allows users to collectively write documents and helps users to track changes by retaining the revision history of documents. Notes Station provides useful image-editing tools, helping you create well-designed documents. You can also create sharing links to share documents in real time. Documents can also be encrypted to prevent unauthorized access, and snapshot backup is provided to retain different versions of documents from different time periods. With its importing/exporting and full-site backup functions, Notes Station supports backing up your documents to local or remote QNAP NAS.

QmailAgent - A mailroom center for your private cloud

QmailAgent is an online email client that helps you manage multiple email accounts, allowing you to access all of your emails and to easily switch between different accounts. It provides complete functionality for composing, reading and organizing emails. You can even attach files, photos and documents from the TS-231P when composing emails. iOS® and Android™ users can use the QmailClient app to quickly check multiple email accounts with mobile devices, and to browse & send emails using the QmailAgent on their TS-231P. You can use QmailAgent together with Qsirch, which supports searching through the .eml files stored on the TS-231P, to make searching through and managing massive amounts of emails much easier.

Qcontactz - Easily manage huge amounts of contacts on the NAS

Qcontactz with the high-capacity TS-231P helps you centrally store and manage contact information for colleagues, business partners, families, and friends. Other features include: importing from Google® accounts, importing/exporting CSV or vCARD 3.0 files, automatic identification of frequently-used contacts, encryption for sensitive/confidential contact information, smart searching,

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and more. Qcontactz offers snapshot backups that enable you to revert to a previous version of your contacts list according to your needs. A companion app for Android™ phones and iPhone® is also available for easy access to contacts. Qcontactz can also be used with QmailAgent to create the perfect email workflow environment.

Note: Qcontactz will be available from QTS 4.3

Well-rounded backup solutions to secure data

The TS-231P is a comprehensive centralized backup center for multiple files. The front panel USB port features a one-touch-copy function for you to instantly back up data on USB drives to the TS-231P or alternatively to back up data from the TS-231P to USB drives. You can use QNAP NetBak Replicator to back up files on Windows® (including Outlook® email archiving) to the TS-231P, or use Time Machine® for Mac® data backup. A wide range of third-party backup software (such as Acronis® True Image™ and Symantec Backup Exec™) are also supported to facilitate system backup and restoration.

Disaster recovery solutions bring peace of mind

Hybrid Backup Sync consolidates backup, restoration and synchronization functions (using RTRR, rsync, FTP, CIFS/SMB) into a single app for easily transferring data to local, remote and cloud storage spaces as a comprehensive data storage and disaster recovery plan. Supported cloud services include Amazon® Glacier, Azure™ Storage, Google Cloud Storage™, Google Drive™, Microsoft® OneDrive®, Dropbox®, Amazon® Drive, Yandex® Disk, Box® and Amazon® S3/OpenStack Swift/WebDAV compatible services. Hybrid Backup Sync supports multi-version backup, flexible job scheduling, file compression to save storage space, and more.

Comprehensive security options

In open network environments, business data may be exposed in a potential hack. The TS-231P provides numerous security options, such as encrypted access, IP blocking, 2-step verification, and more. Administrators can also control the access rights of each user to different folders, preventing unauthorized access to important files. The TS-231P supports AES 256-bit encryption, preventing sensitive business data from unauthorized access and breach even if the hard drives or the entire

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system were stolen.

Cross-platform file sharing, centralized data storage

The TS-231P supports SMB/CIFS, NFS, and AFP protocols for file sharing across Windows®, Mac®, Linux®/UNIX® networks. Data, logs and ISO images of CDs and DVDs can be centrally stored on the TS-231P.

Manage your files via the Internet

File Station brings conventional desktop-style file operations to web browsers, allowing you to upload, download, and manage files on your TS-231P wherever there is an internet connection. Supporting file extraction, folder creation, and smart search for files and folders, File Station also allows you to easily share files via unique URLs protected with reliable security features, SSL and password options. You can even directly browse and transfer files between the TS-231P and public cloud services like Google Drive™, Dropbox®, Microsoft® OneDrive, Box®, Yandex® Disk and Amazon® Drive, open office files directly with a Google Chrome™ office extension, and also view your files on Google Docs™ or Office Online™.

Container Station – LXC and Docker Containers inclusive

QNAP Container Station exclusively integrates LXC and Docker® lightweight virtualization technologies, allowing you to operate multiple isolated Linux systems on the TS-231P as well as download apps from the built-in Docker Hub® Registry. It supports container import/export, permission settings, and an Online Document app for directly viewing, editing and storing files of various types on your NAS (including Office documents, images and text files). An informative dashboard and flexible user interface guides you in managing multiple containers, allowing you to enjoy the playground of virtual containers with the TS-231P.

A private cloud without constraints

In contrast to the limited storage space and potential security concerns of public cloud services, the TS-231P is advantageous for establishing a secure and large-capacity private cloud where you have full control over how your data is used and transmitted. The myQNAPcloud service allows remote

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access to files stored on the TS-231P, allowing you to play & share multimedia from the TS-231P or to conveniently check the system status from anywhere.

File synchronization across multiple devices

Qsync turns your TS-231P into a safe, high-capacity data center for file synchronization. Any file uploaded to the TS-231P will be made available for all linked devices, such as computers, laptops or mobile devices. Qsync is especially useful for frequent travelers to manage files and always have the most up-to-date files on different devices. Qsync provides multiple ways for file synchronization and group file sharing, greatly enhancing the flexibility of team projects and collaboration.

Comprehensive surveillance solution providing 24/7 security

Surveillance Station is a professional network surveillance Video Management System (VMS) that offers a user-friendly management interface, over 3,000 compatible IP camera models, and expandable IP camera channel licenses. It supports real-time monitoring, video & audio recording and playback with a wide range of customizable settings. You can also install the Vmobile app on your iOS® or Android™ devices to manage the monitored channels anytime and anywhere, or install the Vcam mobile app to turn your device into a network camera to instantly record to your TS-231P. The TS-231P offers 2 free IP camera channels and you can expand up to 25 channels by purchasing additional licenses.

Archive your photo memories. Share your life.

Photo Station makes photo sharing simple, and you can designate your own access right controls. Simply upload your photos to the TS-231P to create & organize your photo albums through a web browser, and share with your family and friends through social networking sites such as Facebook®, Google+™, Twitter® and Pinterest®. With the Qfile and Qphoto mobile apps (for iOS® and Android™), you can also instantly upload your new photos from your mobile device to the TS-231P.

Build your home music library and enjoy music anywhere

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Music Station helps categorize your music collection, and displays album covers to easily organize your personal playlists. Through the Music Station web player, you can enjoy your music anytime, anywhere with a few clicks. Thousands of local and global online Internet radio programs are also built-into the Music Station for you to enjoy.

- Stream via Airplay® and DLNA for music throughout your home.
- Listen to your favorite songs streamed from iTunes Server, or play music via web browsers on your PC.
- Listen to your music on mobile devices using the Qmusic app.

Enjoy media freely with multi-zone multimedia control

Use your TS-231P as a multi-zone multimedia system to fill every corner of your house with your choice of media. You can centrally manage and stream photos, music and videos from the TS-231P to different rooms from a single device using Bluetooth® & USB devices connected to the TS-231P (music streaming only), DLNA®, Apple TV® and Chromecast™. Every room member in different zones can enjoy the convenience and simplicity for media playback and multimedia storage. The TS-231P is also a powerful streaming machine with DLNA®, Roku®, Amazon® Fire TV, and Google TV™ support with the support of Plex Media Server.

24/7 download center

The TS-231P is the perfect download center for high-speed BT, Magnet, PT (Private Trackers), FTP/FTPS, and HTTP/HTTPS downloads, and supports loading RSS feeds. After you have finished setting your download tasks, you can turn off your computer and the TS-231P will silently finish downloading them. By installing the Qget app in your mobile devices, you can easily search download sources, download contents to the NAS, and manage download tasks on mobile devices from anywhere.

Access and enjoy with your tablets and smartphones

The TS-231P is your private cloud storage that virtually enlarges the capacity of your mobile devices. Qfile allows you to access, upload, download, manage, and share NAS files as if you are carrying all of them in your pocket. If Qfile is installed on an iOS® device, users can also browse videos & photos

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stored on the TS-231P and play via Apple TV®. Qmanager lets you monitor & manage the TS-231P remotely and efficiently without turning on your PC. You can take and share digital notes with Qnotes, and enjoy and share music, photos and videos on the TS-231P anywhere and anytime with Qmusic, Qphoto and Qvideo apps.

Install-on-demand apps to extend NAS functionality

The built-in App Center provides various install-on-demand apps developed by QNAP and third-party developers, including tools for backup/sync, business, content management, communications, download, entertainment, and much more. It is also a centralized location for managing & updating installed apps, adding potentially limitless opportunities for the TS-231P.

Energy-saving design

The TS-231P features an energy-efficient dual-core ARM® processor that maintains high performance in system operations and is suitable for an always-online personal cloud without running up a high electricity bill. Additional energy-saving features include hard disk standby, scheduled power on/off, and Wake on LAN.

Easy-to-use NAS management tools

The TS-231P provides comprehensive system tools to increase management efficiency.

Easily monitor CPU, memory, disk & network bandwidth usage, as well as currently-running Turbo NAS apps and services.

The Turbo NAS supports Syslog server that collects logs from various connected devices over the Internet and saves the data, enabling centralized log management with greater efficiency.

Additional features

The TS-231P supports various applications for home offices as an all-in-one Turbo NAS with cost-efficiency.

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The Turbo NAS supports FTP server to share large size files, coming with user-defined settings including bandwidth limitation, number of connections, and write-only permission.

The Turbo NAS supports VPN server which provides an easy way for IT administrators to build up a secure private network and allows the staff to log on from outside the office and access business resources securely such as files and Internet connections.

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