QNAP

7th-generation Intel® Core™ series processor Blu-ray NAS

TVS-882BR / TVS-882BRT3

Revitalize disc-based data

THUNDERBOLT™

Includes
RM-IR004
Remote
Control

intel CORE i7 7th Gen | intel CORE i5 7th Gen | Windows Server 2012 Certified | CITRIX Ready | vmware READY | HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE | dlna™ | ubuntu

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Access disc-based data

Use File Station to access disc-based data for easy management
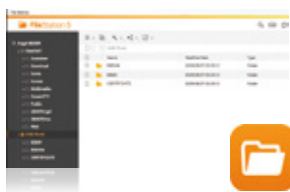
Complete storage solution

Use discs, hard drives, and cloud storage for diverse storage requirements

1. Back up to discs for additional data protection
2. HDD backup for quick search and centralized management
3. Cloud backup, collaboration and instant sharing

BACKUP

Blu-ray disc playback

Use Linux Station to play Blu-ray multimedia

HDMI | ULTRA HD 4K 2K

- 7th-generation Intel® Core™ series i5 / i7 multi-core processor with dual-channel DDR4 2133MH memory

- The TVS-882BRT3 features four Thunderbolt™ 3 (40 Gbps) ports for on-the-fly video editing and rapid file sharing

- Two built-in M.2 SATA SSD slots for data tiering and SSD caching

- Manage disc-based data with Qfiling, a smart file organizer, and use Qsirch to quickly locate files. Organze, write, and play optical media in one NAS unit.

- Three PCIe Gen.3 slots that support expansion cards for USB 3.1 10 Gb/s and 40GbE / 10GbE network adapters

- Optimize data utilization across multiple QNAP NAS with VJBOD

Includes Blu-ray Disc Writer

TVS-882BR-i5-16G / TVS-882BR-i7-32G
TVS-882BRT3-i5-16G / TVS-882BRT3-i7-32G

TVS-882BR-ODD-i5-16G / TVS-882BR-ODD-i7-32G
TVS-882BRT3-ODD-i5-16G / TVS-882BRT3-ODD-i7-32G

DDR4 2133 Max 64GB RAM | 10/40 GbE Ready | Read / Write / Playback | Virtualization Station | Container Station | 4K2K UHD Q vPC Technology

TVS-882BR

Next-generation high-performance processor with Blu-ray support

3 x PCIe slots

· PCIe Gen.3 1GB/s high-speed interface
  * TVS-882BRT3 series: 2 x dual-port Thunderbolt 3 expansion cards preinstalled
· 10Gb/40Gb network cards, graphics cards, and USB 3.1 expansion cards supported

4 x 1GbE

Application service streaming to ensure bandwidth

Triple HDMI output

Supports multi-screen output, mirroring and extended display modes

Compartmentalized smart cooling

Controls fan speeds based on varying temperature of the processor and hard drive regions, keeping the NAS cool and quiet

3.5 mm audio output

Can connect to external speakers

Built-in speakers

· Direct audio output
· Verbal system warnings

5.25" SATA optical drive slot

Install a Blu-ray drive to enable disc-based backups to NAS for easier sharing and management

Tool-less hard drive installation

2 x M.2 slots*

· Supported SATA M.2 SSD: 2242, 2260, 2280, 22110
· Tiered storage and SSD caching
  * M.2 SSD is not included

DDR4 2133 MHz RAM
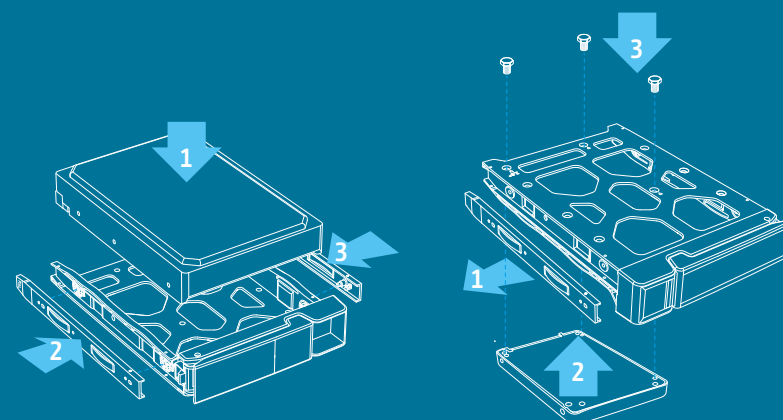
Supports four DDR4 memory slots, expandable up to 64GB

Intel 7th-generation multi-core processor

Supports DDR4, PCIe Gen3 and DMI 3.0 to enhance computing and bus data processing

3.5" HDD

2.5" HDD/SSD

Network-powered Blu-ray applications

With the advancement of Blu-ray technology, it becomes the best option for storing confidential information since the cost of Blu-ray disc per GB is only about 50% of a traditional hard drive, and its use is not affected by natural disasters, power outages or security incidents. The TVS-882BR's optical disc compatibility provides companies with a convenient method for archiving and consolidating older disc-based data to NAS for easier file sharing and management, and at the same time writing sensitive data to discs. Through HDMI, you can enjoy Hi-Res media without buying a Blu-ray player. With its high-performance hardware, software and disc compatibility, the TVS-882BR is a complete data management and audiovisual center for Blu-ray applications. Users do not need to read the disc through a computer and then transmit to the NAS.

Disc application processing center

The TVS-882BR features a 5.25-inch drive bay that supports one SATA or two Slim SATA disc drives. USB-based disc drives are also supported. QNAP also provides TVS-882BR-ODD series, which comes with a pre-installed Blu-ray disc writer. After a simple installation, your discs can be read by the NAS without needing a computer. After your disc-based content is stored on the NAS, it can be easily accessed and shared using email, cloud storage, social networks, and more.

★ Includes SATA cable
★ Please refer to www.qnap.com for the complete specifications of the pre-installed Blu-ray writer.

**DDR4 Memory
Expandable to 64GB**

intel CORE i5 7th Gen
intel CORE i7 7th Gen

Install two slim disc drives
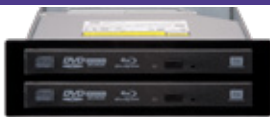
An additional accessory (sold separately) is required to install slim disc drives.

Supports USB disc drives

Realizing super-high-speed video editing with TVS-882BRT3

The QNAP TVS-882BRT3 is the Thunderbolt™ 3 NAS designed to help media and entertainment professionals meet the massive data demands of fully-digital workflows. High performance and broad compatibility help deliver time and cost savings, from image acquisition through post production. The TVS-882BRT3 delivers powerful and stable throughput for real-time non-linear video editing, and also allows multi-track video editing with the lowest latency. Up to four Thunderbolt™-compatible devices can connect to the TVS-882BRT3 to simultaneously process real-time video editing. Furthermore, a 4K monitor can connect to the TVS-882BRT3 via HDMI to directly play 4K videos for instant preview of the final work.

HDMI
4K

Blu-ray Disc + QNAP NAS = Complete storage solution

The TVS-882BR supports Blu-ray drives, allowing for wider usage of content stored on optical discs. This allows for older data to be consolidated with new data, and for important data to have a reliable and long-lasting offline archival backup. With various QNAP applications, you will be able to migrate static disc-based data to the cloud and also ensure data security by writing confidential information to discs.

Back up and centrally manage disc-based data

Using File Station, you can quickly copy data from discs, use Qfiling to automatically archive the data, and then Qsirch to quickly find desired files.
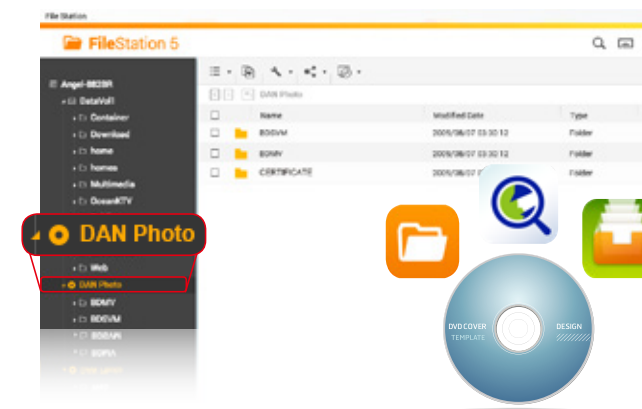
## Offline archival backup of important data

Using Linux Station/Virtualization Station, you can write important NAS-based data to disc to provide an offline backup for potential disaster recovery purposes.

★ Third-party disc authoring software is required.

High-speed multimedia workflows

The TVS-882BR is an ideal solution for high-resolution multimedia editing and backup, especially when used with 10GbE/40GbE network cards. The four Thunderbolt™ 3 ports of the TVS-882BRT3 even allows for large data transfer at lightning speed.

10GbE switch
10GbE
10GbE
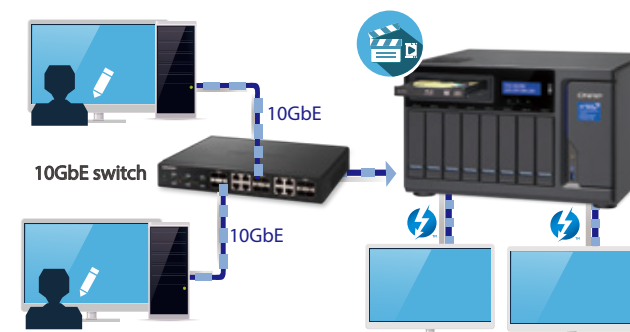
Play movie discs

Linux Station and Virtualization Station can be used to play disc-based multimedia using HDMI output (third-party media player software required - may require separate license purchase).

ULTRA HD 4K 2K

Wide range of disc support

Data stored on a M-DISC can last a thousand years. A quad-layer BDXL disc also boasts up to 128GB of storage space, providing both storage capacity and archival longevity.

1000 YEAR
BDXL
Quad-layer 128GB
M-DISC
Blu-ray Disc

Virtualization and optical disc applications

File backup and management

QTS-Linux dual system for unlimited potential

The QNAP NAS operating system QTS and Linux are supported to provide potentially unlimited functionality through the QTS App Center and Linux applications. Use Linux Station and connect the TVS-882BR to an HDMI display to output the Linux desktop. With Linux Station, users can make the most of the TVS-882BR's disc compatibility by using applications for disc authoring and playback.

HDMI 1
HDMI 2
HDMI 3

### Flexible virtualization and container applications

Virtualization Station allows you to run multiple virtual machines and operating systems on the TVS-882BR (including Windows®, Android®, Linux®, and UNIX®) for consolidating IT infrastructure and other tasks. QNAP Container Station supports LXC and Docker® as well as thousands of applications from Docker Hub® to greatly boost the potential applications of the TVS-882BR. Container Station also provides the QIoT Containers platform to help you quickly deploy IoT environments and applications in proprietary private clouds.

Popular disc authoring and playback software

Linux Station	Write
	K3B

Virtualization Station (Windows)	Write	Play
	Nero Burning ROM	PowerDVD

★ 1. It is recommended to use a graphics card with GPU pass-through on virtual machines when playing HD/4K multimedia.
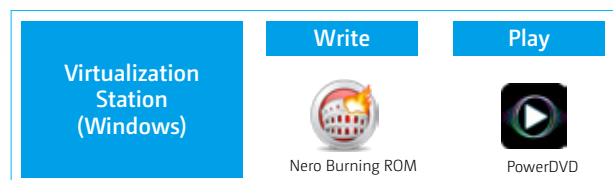
★ 2. Third-party software is required (may require separate license purchase).

Special Column

DVDFab is supported via Linux Station
Complete disc backup solution

DVDFab supports DVD and Blu-ray data backup. Backed up data is directly stored on the NAS without the need for using a separate computer.

DVDFab provides a convenient solution for users who need an all-in-one and user-friendly solution for optical disc backup and authoring.

★ DVDFab is third-party software, not preloaded in Linux Station.

Backup/Consolidation/Conversion

Storage

Writing to discs
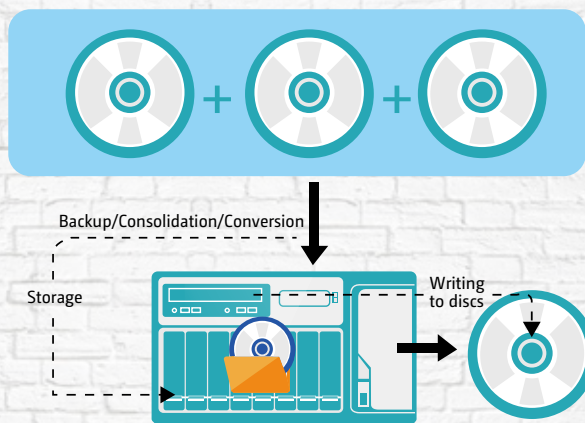
Qtier and SSD caching

The TVS-882BR supports using M.2 SATA and 2.5-inch SSDs for caching to optimize system performance, making it especially ideal for virtualization and Other IOPS-demanding applications. QNAP's Qtier™ technology automatically moves frequently-accessed "hot" data to SSDs while moving infrequently-accessed "cold" data to slower, higher-capacity hard drives to greatly boost performance and storage utilization.

M.2   SSD   SATA Drives

Qfiling

Organizing an ever-increasing collection of files and data that are distributed across a vast number of folders can be difficult and time consuming. With Qfiling's automatic file organization and preset classification conditions, you can automatically organize and sort files and save lots of time.

Qsirch

Photos, videos, music, documents, emails and other files can greatly accumulate on a NAS, making it difficult to search through and find desired files. Qsirch was created to provide a powerful search function that can easily sift through a huge number of NAS files and find desired files quickly. Qsirch Helper (available for Google Chrome and Mozilla Firefox) also allows you to search for files on your TVS-882BR when you use Google to search the Internet.

Hybrid Backup Sync

Hybrid Backup Sync is a comprehensive backup solution to efficiently manage storage spaces for all devices on the LAN, across remote-site NAS units and cloud services. Through a remote connection account, it also records and encrypts your remote connection settings to accelerate remote and cloud backup work.

Now supports: Blu-ray / DVD

Local NAS
USB
Blu-ray/DVD
Remote NAS
Cloud Storage

Cloud Storage
amazon drive
Dropbox
Google Drive
CIFS/SMB or FTP
Local NAS
Remote NAS
Blu-ray/DVD   USB

Security monitoring + Disc storage

QVR Pro - Build a professional surveillance system

QVR Pro is a professional security monitoring solution. It creates a dedicated video storage space and operating environment on the TVS-882BR. QVR Pro is compatible with over 3,000 cameras and has scalable network camera channel license for expanding your surveillance system on demand. With the QVR Pro Client mobile apps (for iOS® and Android™) you can enjoy universal access to your surveillance feeds. The TVS-882BR also provides administrators with the potential to archive surveillance footage to discs for long-term offline storage.

FREE: 8 channels | Camera license up to 80 channels

Hardware Specifications

Ordering SKU	TVS-882BR-i5-16G / TVS-882BR-ODD-i5-16G TVS-882BRT3-i5-16G / TVS-882BRT3-ODD-i5-16G	TVS-882BR-i7-32G / TVS-882BR-ODD-i7-32G TVS-882BRT3-i7-32G / TVS-882BRT3-ODD-i7-32G
CPU	Intel® Core™ i5-7500 Quad-core 3.4 GHz (up to 3.8 GHz)	Intel® Core™ i7-7700 Quad-core 3.6 GHz (up to 4.2 GHz)
Graphics	9th-generation Intel® HD Graphics	
Memory	16GB DDR4 (8GB x 2)	32GB DDR4 (8GB x 4)
Memory slot	4 (up to 64GB)	
Flash Memory	512MB DOM	
Optical Drive Bays	1 x 5.25-inch SATA slot (compatible with 1 x 5.25-inch optical drive or 2 x Slim disc drives. The ODD series comes wth a pre-installed Blu-ray writer)	
Pre-installed Optical Disc Drive	LG WH16NS58D (BD-R: 16x; BD-ROM: 12x)	
M.2 Slots	2 x M.2 2242/2260/2280/22110 SATA 6Gb/s SSD	
Drive Bays	8	
Drive Types	2.5" /3.5" SATA 6Gb/s HDD/SSD	
Thunderbolt™ 3 ports	4 x Thunderbolt™ 3 ports (TVS-882BRT3 series)	
USB	1 x USB 3.0 port (front) 4 x USB 3.0 ports (rear)	
LAN ports	4 x 1GbE RJ45	
HDMI	3 x HDMI v1.4b	
Expansion Slots	3 (Hard disk area: 1x PCIe Gen3 x8. Processor area: 2x PCIe Gen3 x4)	
Audio input	Audio In: 2 x 6.3mm Mic In	
Audio output	Two built-in speakers with a 3.5mm Line Out	
Dimensions	234.6 (H) x 369.9 (W) x 319.8 (D) mm 9.23 (H) x 14.56 (W) x 12.59 (D) inch	
Weight	Net weight: 11.55kg / 25.46 lb; Package: 13.65 kg / 30.09 lb; Preloaded CD player: 0.63kg / 1.4 lb	
Power	ATX 100-240V~, 3-1.5A Output 250W	
Fan	System area: 3 x 8 cm fan Processor area: 1 x 9 cm fan	

Software Specifications

Supported disk group types	RAID 0/1/5/6/10, RAID 1/5/6/10 + spare, single,JBOD
Storage Manager	Flexible volume and LUN configuration; storage pools Online RAID capacity expansion and configuration migration
Supported client systems	Windows 7, Windows 8,Windows 10,Windows Server 2003/2008 R2/2012/2012R2, Apple Mac OS 10.6+, Linux & UNIX
Internal file system	EXT4
External file system	EXT4,EXT3,NTFS, HFS+,FAT32, exFAT (Need to purchase additional exFAT software license)
Supported protocols	CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, and SMSC"
Virtual application	Linus station (Ubuntu O.S.), Virtualization Station (Windows, Linux, Unix and Android)
File sharing	Maximum number of users: 4096; Maximum number of user groups: 512; Maximum shared folders: 512; Maximum simultaneous connections: 800
Video surveillance	Surveillance Station includes 4 camera licenses. You can purchase additional license to expand to a maximum of 40 cameras (http://license.qnap.com)
Other Features	File Station, Photo Station, Music Station,Video Station,Download Station, Qsync,Notes Station, HD Station, FTP server, VPN server/client, Qtier, Qsirch, Qcontactz, QmailAgent, Qfiling
Streaming server	DLNA server, Airplay, Chromecast, iTunes Server
Video playback and conversion	Equipped with hardware acceleration chip, supports up to 4K H.264 audio and video conversion
Remote access	myQNAPcloud

Accessories

Type	Ordering SKU	Description
Expansion Unit	REXP-1000 Pro	10 hard disk SAS / SATA interface RAID storage expansion enclosures
	UX-800P/UX-500P	8/5 hard disk USB interface RAID storage expansion enclosures
	SAS-12G2E	Dual-wide-port storage expansion card, SAS 12Gbps
Expansion Card	LAN-40G2SF-MLX	QSFP + interface 40 Gigabit dual port network card
	LAN-10G2SF-MLX	QNAP dual port 10 Gigabit SFP + network card
	LAN-10G2T-X550	QNAP dual port 10 Gigabit 10GBASE-T network card
	USB-U31A2P01	USB 3.1 10Gb/s dual port Type-C card
Memory	RAM-16GDR4-LD-2133	16GB DDR4 memory, 2133 MHz, UDIMM
	RAM-8GDR4-LD-2133	8GB DDR4 memory, 2133 MHz, UDIMM
	RAM-4GDR4-LD-2133	4GB DDR4 memory, 2133 MHz, UDIMM
M.2 SSD	SSD-M2080-256GB-A01	256GB M.2 2280SATA SSD.
Installation kit	KIT-SLIMODDINST-01	Slim disc drive installation kit

Package Contents

NAS (the ODD series includes a pre-installed Blu-ray writer), SATA cables (pre-installed), Quick Installation Guide, 4 network cables, power cord, M.2 SSD installation screwdriver and heat sink, remote control.

* Please visit www.qnap.com for more hardware and software specifications. Design and specifications are subject to change without notice.

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