

Company Profile

QNAP®



Overview of IEl Groups

Innovation & Integration lead to Private Cloud Total Solution



iEi GROUP

威強電集團



Industrial Integrated
IoT Solution
Provider

Leading Network-
Attached Storage
Provider

Unique Electronic
Manufacturing
Service

Intelligent Medical
System Provider

Leading Automation
System Products
Provider

Professional Chassis
Manufacturer

About QNAP

Leading network-attached storage provider



Innovative software development and IoT integration applications



Complete portfolio from development and hardware design to manufacturing



Global market allocation – 20 offices in 14 Countries



1000+ Employees Worldwide

QNAP[®]

About IEI

Leading industrial computer provider



Solid experience in a wide range of technologies and vertical know-how



Support from initial concept to finished goods



Specializes in IoT gateways, embedded systems, panel PC, image capture and cloud-based applications



Meets market expectations by supplying a complete portfolio of computer-based applications to apply in different fields including IoT, private/hybrid/public cloud and more.

QNAP[®]



QNAP Cloud R&D Center

Hsinchu, Taiwan

QNAP as a hybrid cloud solution provider.

By employing our software development capabilities, QNAP provides well-rounded hybrid cloud solutions to enable enterprises to enjoy the same services in-premises and on the cloud.

QNAP®



R&D and manufacturing facilities

Shanghai, China

Both QNAP and IEI own in-house R&D and manufacturing facilities based in multiple locations, capable of providing flexible manufacturing services and competitive cost-performance products to market.

QNAP[®]

Think Big, Do It Together



QNAP teams up with iEi

With our strategic alliance, we magnify our strengths to the fullest extent.

Leveraging our advantages of software-hardware integration, QNAP and iEi are capable of providing flexible application services and mutual benefit to our clients.

Think Big, Do It Together



Reliability of
hardware



QNAP[®]
Innovation in
software
development

AfoBot - Your Intelligent Companion Assistant



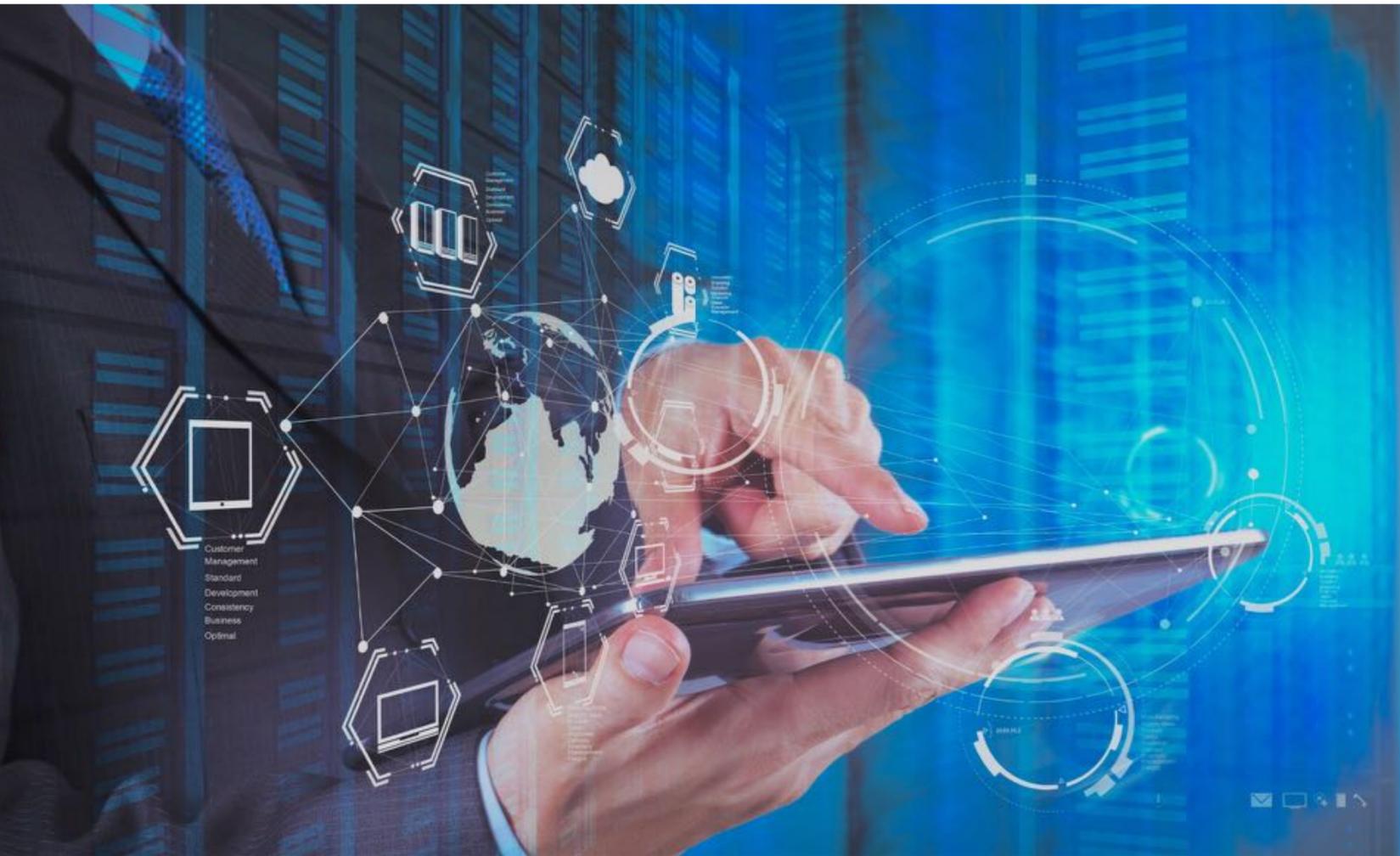


See the Bigger Picture with Us

Benefiting from our cooperation with IEI, we envision our upcoming QNAP NAS models to serve as an intelligent gateway that empowers both home life and work environments.



QNAP NAS as an intelligent hybrid network application server



- Implementation of AI & machine-learning mechanisms
- Network computing ability & data security
- Providing “IoT-oriented” services and applications

QNAP NAS as a gate way to the world of Virtual Reality



- NAS-based VR solutions for gaming and wider application scenarios in multiple fields
- Delivering hardware power and software performance for an optimal VR experience



Achievements & Recognition

Over 100 Corporate & Product Awards Worldwide





reddot design award
winner 2017



Red Dot Award 2017

TVS-873 10GbE-enabled business NAS

QNAP®



European Hardware Awards 20 Best NAS Device

TS-451+ quad-core NAS

QNAP[®]



QNAP Leads the Way

Comprehensive NAS products that reflect technology and
market trends



10GbE SFP+ Port



TS-431X



10GbE-ready NAS

Standardizing 10GbE

QNAP offers powerful, affordable high-speed 10GbE-ready NAS suited for all organizations - from huge enterprises to small offices - that require high bandwidth to tackle IT inefficiencies.

10GbE-ready NAS



Enterprise



SMB



Home & SOHO



Thunderbolt™ NAS

Boost creative media collaboration

QNAP Thunderbolt NAS solutions features ultra-high transfer speeds with expandable data storage, boosting productivity with 4K workflows and collaborative video editing for Thunderbolt-equipped Mac & Windows users.

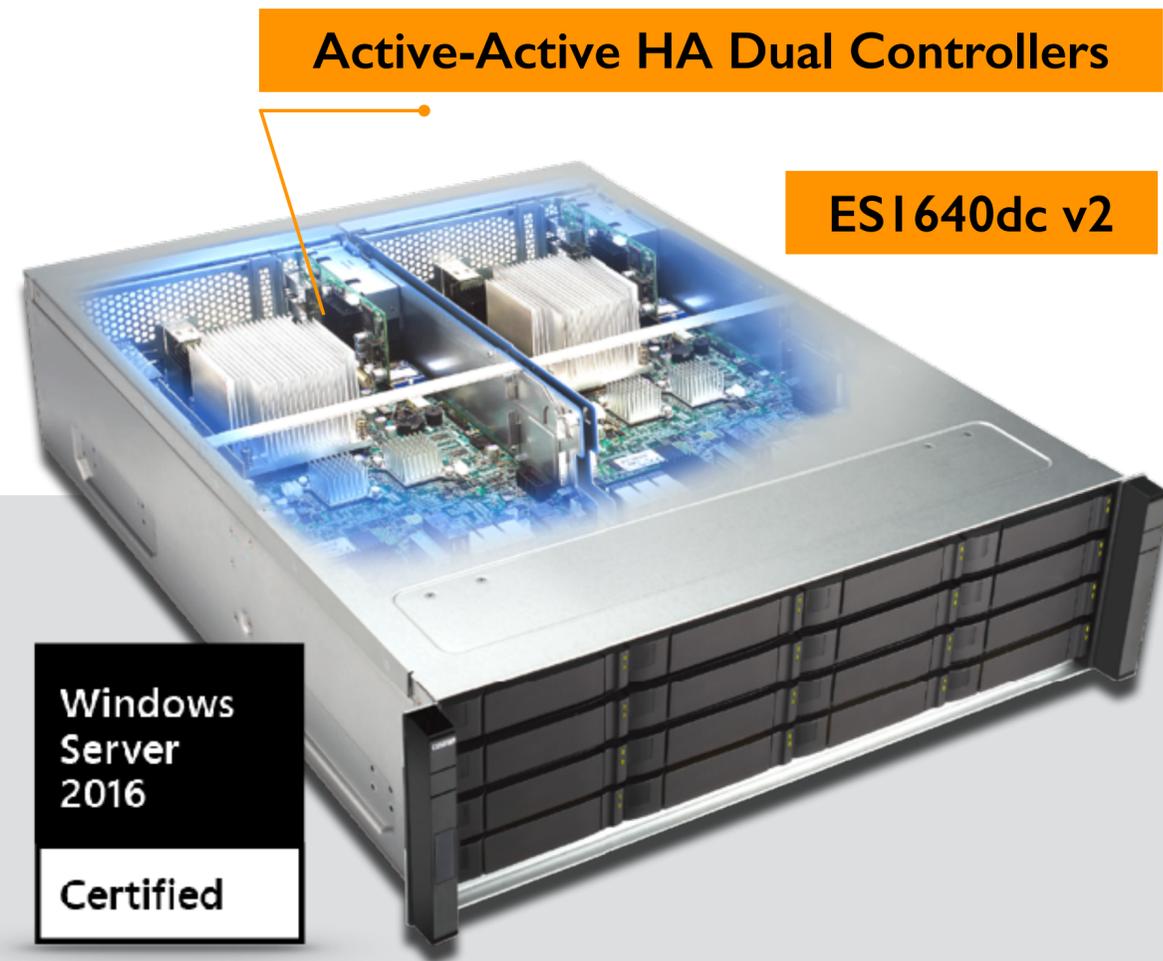
Thunderbolt NAS Solution



Thunderbolt 3 NAS



Thunderbolt 2 NAS



High Availability

Dual-controllers for near-zero downtime

Designed for mission-critical IT tasks, the Enterprise ZFS NAS excels in providing High Availability solutions for file servers, virtualization servers, virtual desktops, online video streaming, snapshots and remote recovery.



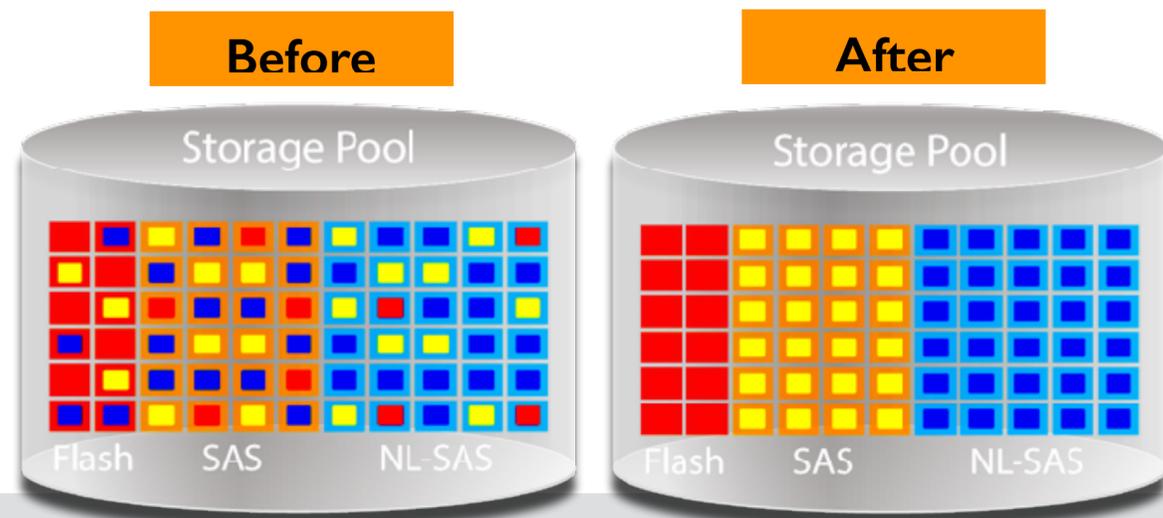
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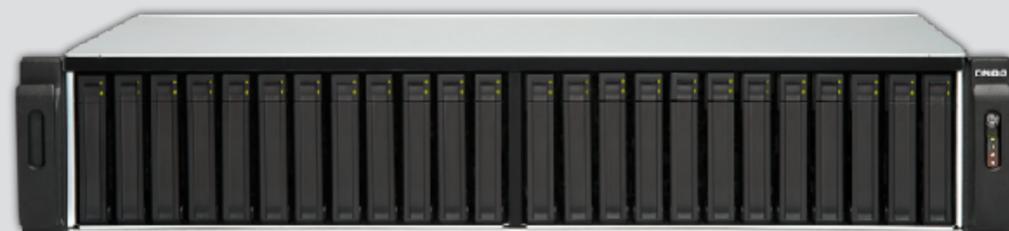
Virtualization

Storage for virtualized environments, VMs and containers

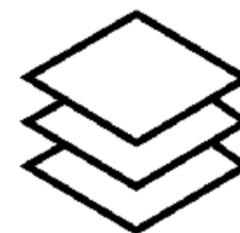
QNAP NAS provides high-performance, reliable and affordable storage solutions for VMware[®] vSphere[™], Microsoft[®] Hyper-V[®], and Citrix[®] XenServer[™]. It is also a server to host virtual machines (with Virtualization Station) and containerized apps (with Container Station) for greater usage potential.



■ Most Frequent
 ■ Normal Activity
 ■ Seldom Activity



TES-3085U



Qtier™

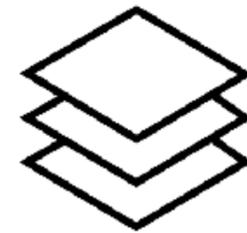
Optimization

Enabling 24/7 optimized storage efficiency

Qtier Technology empowers QNAP NAS with Auto Tiering that helps continuously optimize storage efficiency across SSD, SAS, and SATA drives for around-the-clock acceleration.



TS-453B



QM2: M.2 SSD/10GbE PCIe Expansion Card

**Optimize 10GbE applications with
M.2 SSD caching**

The QM2 series PCIe cards add support for M.2 SSDs and 10GbE RJ45 connectivity (optional) to a QNAP NAS. Combining SSD and 10GbE connectivity into one solution, the QM2 helps improve overall NAS performance while providing an affordable upgrade path for adopting 10GbE networks.



TVS-882



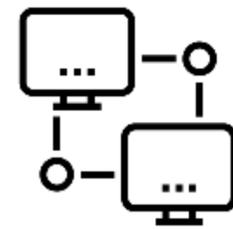
4K live-stream broadcasts

Embracing live-streaming trends

DJ2 Live is an exclusive live broadcasting platform based on a private cloud that supports up to 4K video live-stream broadcasts and stores all the videos on the private, secure, high-capacity QNAP NAS.



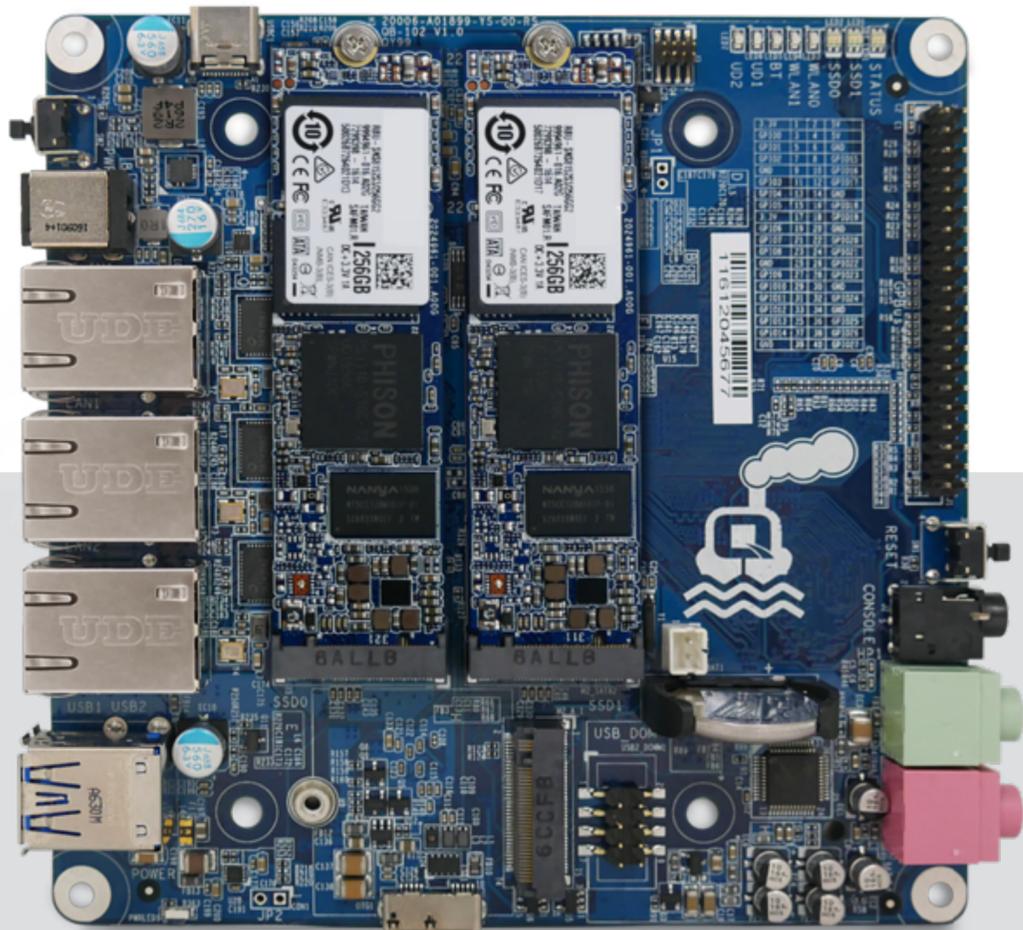
TVS-673



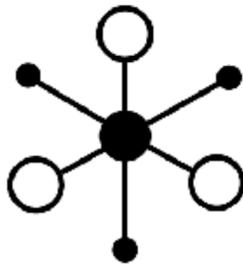
Networking Application

NAS as a wireless base station

WirelessAP Station allows QNAP NAS with installed PCIe wireless network cards to be used as a wireless base station, beneficial for building a private network for more diverse connectivity options.



QBoat



Internet of Things

Private IoT cloud platform & IoT server

QIoT Suite provides easily-adoptable practical modules for developers, accelerating IoT development and services. QBoat (QTS IoT Server) helps connect and manage IoT devices and applications to provide a handy solution for the great potential industrial demands of IoT.



TVS-882BR



Blu-ray NAS

NAS with optical disc drive compatibility

TVS-882BR Series features a 5.25" drive bay for installing optical disc drives, providing an extra method for transferring content from discs to the NAS or backing up NAS data to discs for multi-year data retention.



QNAP **Innovates**

Full-throttle innovations accommodating comprehensive
business & home entertainment applications.



Web Automation Service

User-defined NAS rules and services



IFTTT Agent allows connecting your QNAP NAS with apps like Gmail, Facebook, and Twitter to automate daily tasks based on user-defined rules to boost productivity.

Centralized Device Management

Single point solution for networked computing devices



QRM+ is QNAP's Centralized Remote Management solution that provides a single-point solution for IT administrators to discover, map, monitor and manage IPMI-compatible Windows and Linux devices such as Servers/PCs/Thin Clients.

Multi-zone Home Entertainment

**NAS as a multimedia control
center across devices**



Cinema28 is a centralized management platform for multimedia streaming devices, allowing users to stream media files from a single platform, greatly enriching multimedia experiences for home and SOHO users.

File Management Solutions

**Simplified file organization and
data search tools**



Qfiling automates your file organization - all you need to do is categorize your files, set a schedule, and leave the rest to Qfiling.

File Management Solutions

Simplified file organization and data search tools



Qsirch is an exclusive whole-NAS search engine that supports file indexing, content preview, personalized search filters, enhanced email search and management of stored emails.

Workplace Productivity

- Website Access

**Convenient Tool for Securely
Accessing a Private Network**



Browser Station provides virtual browsers on QNAP NAS, allowing to remote access to protected data on the same LAN as the QNAP NAS without going through complex VPN settings.

Workplace Productivity - Management

**Manage multiple e-mail accounts
and contacts easily**



QmailAgent is an online email client that helps you manage multiple email accounts, allowing quick access and backup of all your emails from different accounts to a single NAS.

Workplace Productivity - Management

**Manage multiple e-mail accounts
and contacts easily**



Qcontactz allows you to centrally manage a growing number of contacts and presents an always-online database of contact information that can be accessed from any computer or mobile device.

Workplace Productivity - Collaboration

**Hybrid cloud solution for
collaborative writing**



With Notes Station, users can write documents collectively, track changes, retain revision history, and share & backup files.

IP Surveillance Solution

NAS works perfectly as a video surveillance server



QVR Pro integrates video surveillance features into QTS, providing user-defined recording storage space, cross-platform client tools, easy storage expansion, camera control, and intelligent storage management functions.

OpenStack Deployment Solution

**Fast integration of QNAP NAS
with OpenStack environment**



QNAP's Cinder driver supports OpenStack Ocata, turning QNAP's enterprise-grade NAS into an integral part of OpenStack ecosystems, providing businesses with a flexible, easy-to-use, and low-cost storage solution.

Backup & Synchronization

**File sharing and syncing across
devices**



Qsync enables efficient file synchronization between a QNAP NAS and linked devices such as computers, laptops and mobile devices.

Backup & Synchronization

**File sharing and syncing across
devices**

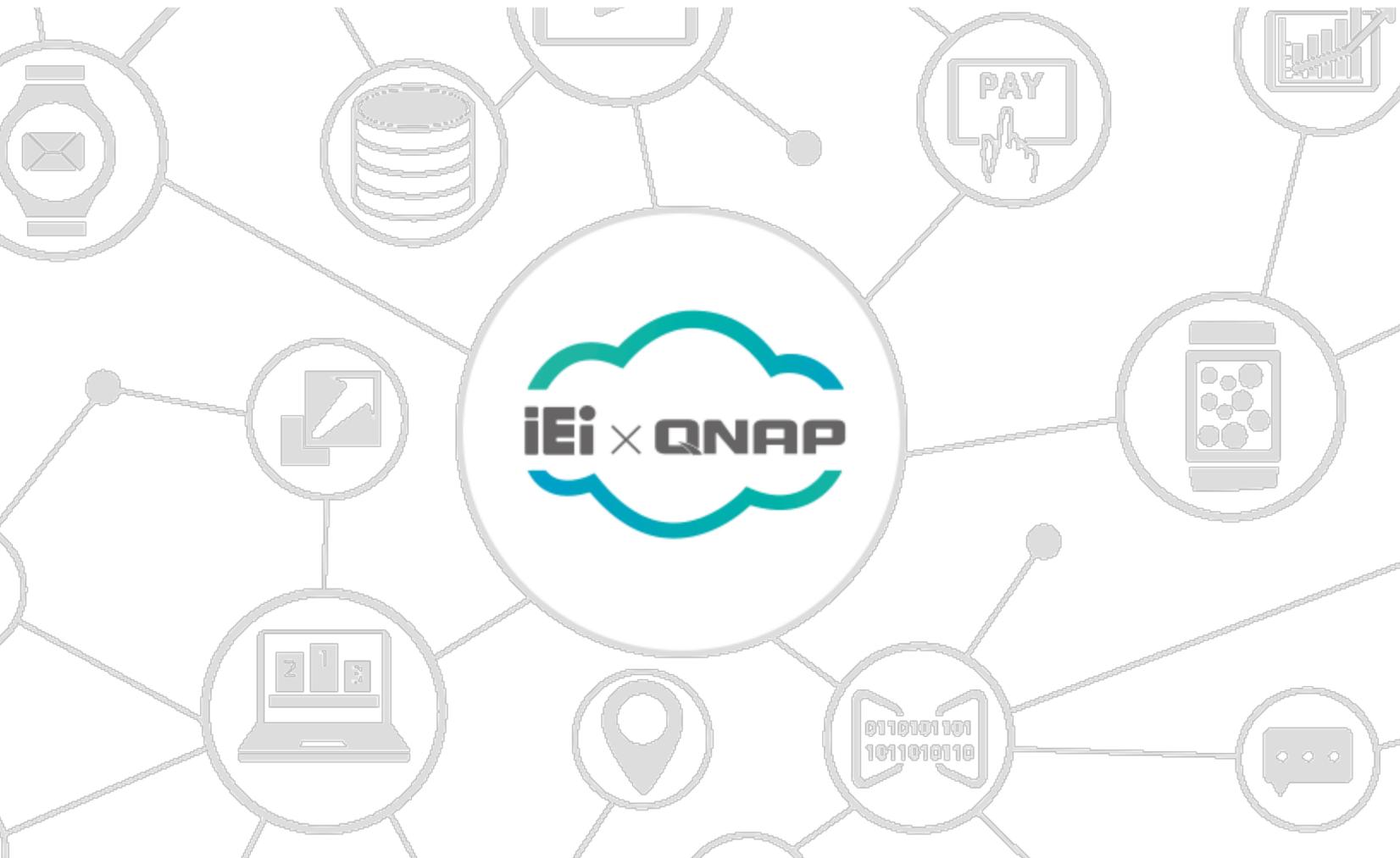


Hybrid Backup Sync consolidates backup, restoration and synchronization functions into a single QTS app for data transfer to local, remote and cloud storage spaces.



Alliance

QNAP X IEI **IEI Integration Corp: A brief overview**



- Leading industrial computer provider with two decades of experience, expertise and R&D.
- Solid experience in a wide range of technologies and vertical know-how.
- Support from concept to finished goods.
- Specializes in IoT gateways, embedded systems, panel PC, image capture and cloud-based applications.

QNAP X IEI AfoBot, the revolutionary companion robot



AfoBot, Intelligent
Companion Assistant

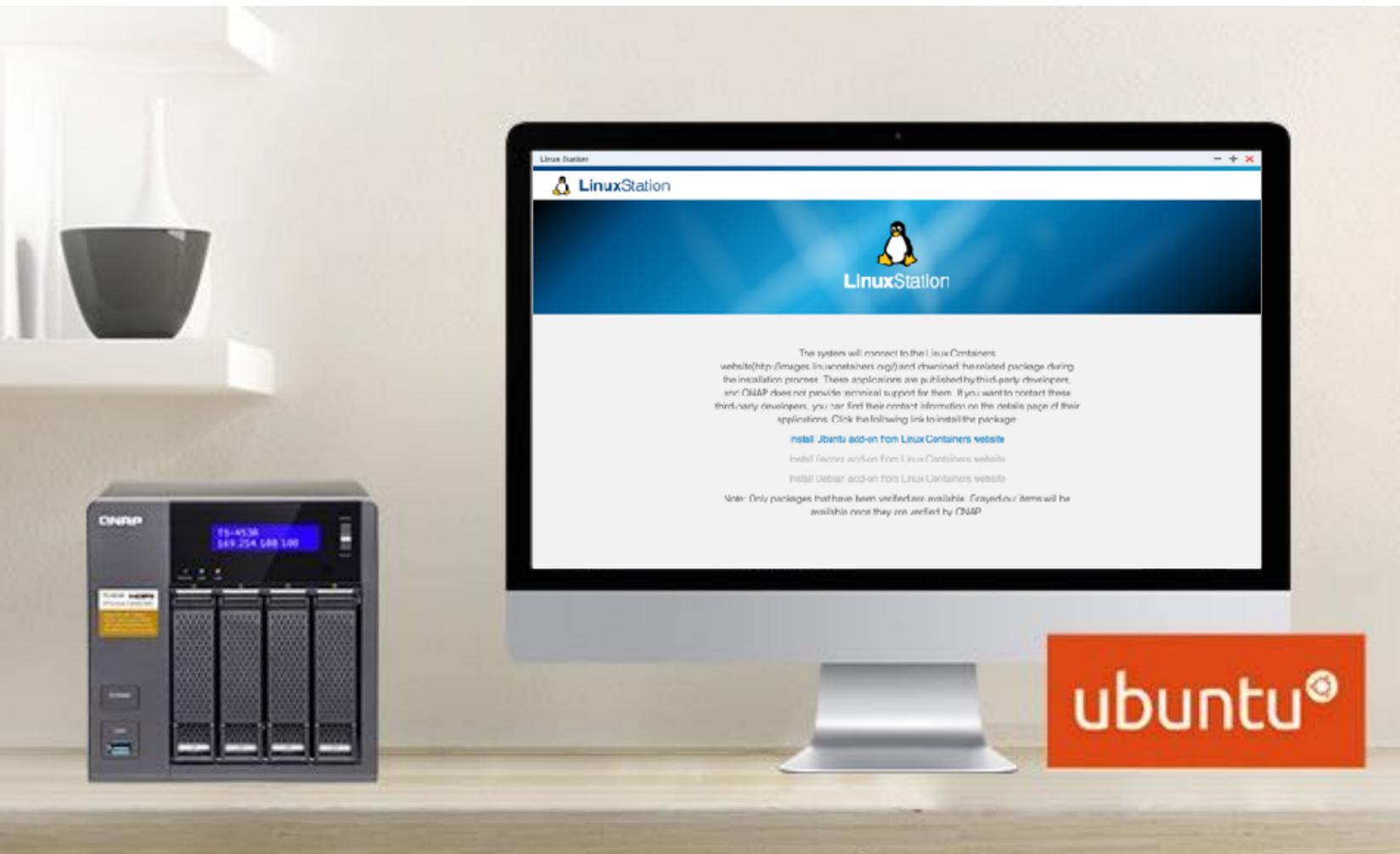
- 8" touch screen with 100° Rotating Auto-focus 5M Camera
- 64-bit quad-core Cortex A53 processor
- Voice-recognition, 802.11 a/b/g/n Bluetooth 4.0 & Miracast
- Powered by AfoTalk, an operating system by QNAP, providing access to several QNAP NAS apps

QNAP X Panasonic Highly-secure optional backup solution



QNAP NAS in combination with Panasonic's optical disc-based Data Archiver System delivers a secure, durable storage solution that can last for 100 years.

QNAP X Canonical **Dual operating systems**



Leveraging QNAP's QTS OS and Ubuntu, Linux Station provides an advanced platform for the development of Internet of Things (IoT) services and applications.

QNAP X Nakivo All-in-one Backup Solution for VM Backup



QNAP has teamed up with NAKIVO® to provide NAKIVO Backup & Replication v7, a high-performance yet affordable VM backup solution that is fully integrated with QNAP NAS.



More Feature-rich Applications





Storage

QNAP NAS provides a secure, high-capacity centralized file center to store up to petabytes of data.

- RAID support
- Cross-platform file sharing (SMB/CIFS, AFP, WebDAV, and NFS)
- VJBOD (Virtual JBOD) for using a QNAP NAS to expand the capacity of other QNAP NAS
- Scalable design with QNAP expansion enclosures



Backup

QNAP NAS assists in mitigating data loss with complete data backup and disaster recovery options.

- Desktop/laptop backup
- Business critical backup and recovery
- VM backup
- Remote backup (RTRR, rsync) Volume & LUN Snapshots
- Hybrid Backup Sync consolidates backup, restoration and synchronization between local, remote and cloud storage.



Productivity

QNAP NAS provides various apps and features to multiply productivity to quickly finish more tasks

- SSD Cache
- QvPC Technology
- Q'center
- CloudLink
- exFAT support



Virtualization

QNAP NAS is virtualization-ready, and supports hosting VMs and containers as cost-efficient storage with optimized performance

- Virtualization Readiness - Storage for virtualization
- Virtualization Station - Hosts multiple VMs on the NAS
- Container Station - Integrates LXC and Docker lightweight containerized virtualization





Multimedia

QNAP NAS is an all-in-one multimedia center to collect, back up and share multimedia files for a complete entertainment experience

- Photo Station, Music Station
- Media Streaming via DLNA, Apple TV, Chromecast, Plex Server or Roku platform
- Multi-zone multimedia streaming
- Media transcoding
- HDMI connectivity for 1080p/4K video playback
- OceanKTV - a NAS-based karaoke system



Surveillance

QNAP NAS provides a comprehensive surveillance solution for safeguarding office and home environments with 24/7 security

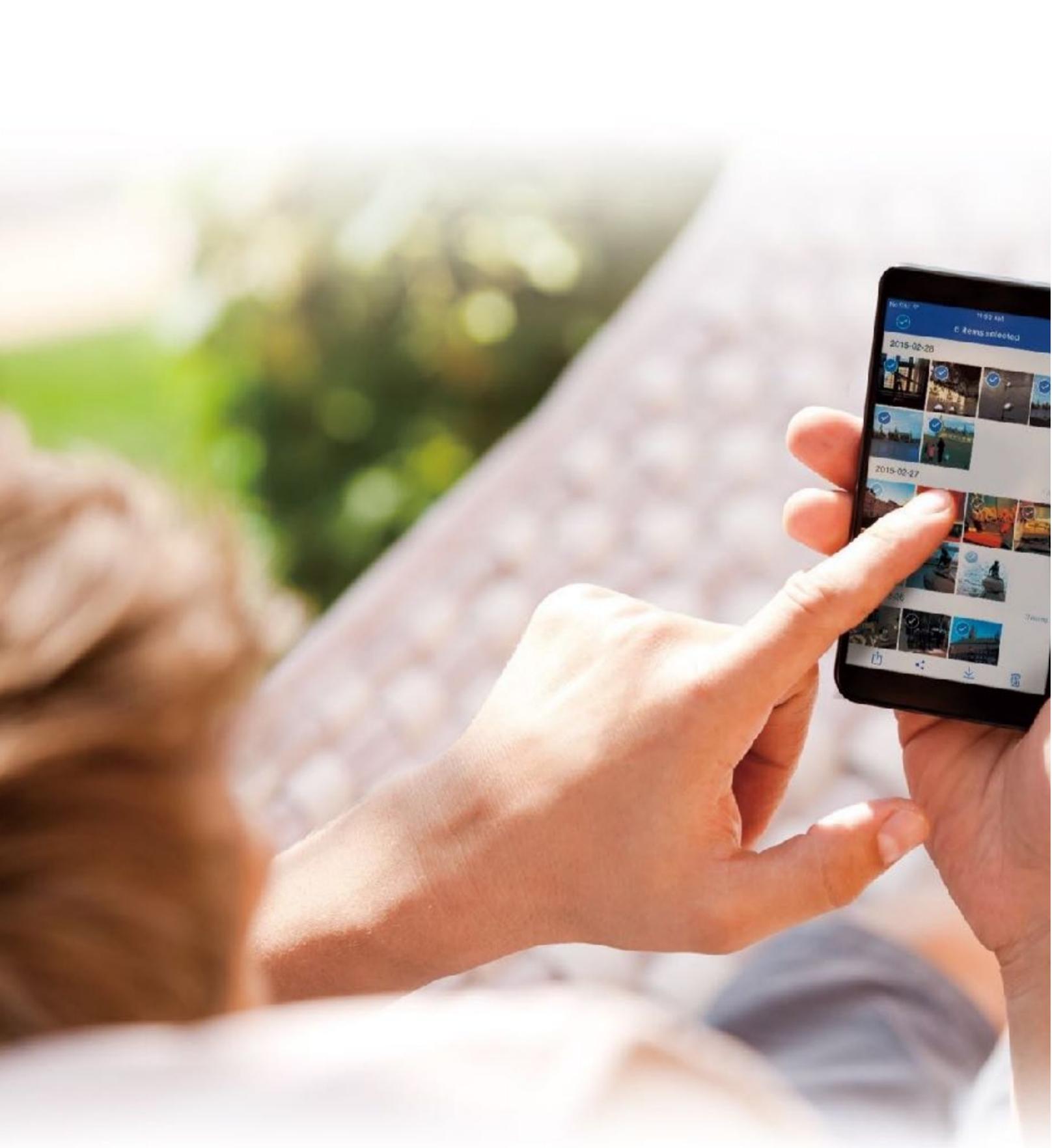
- Surveillance Station, a professional network surveillance video management system
- User-friendly management interface
- Real-time monitoring, video & audio recording and playback
- Over 3,000 compatible IP camera models
- Expandable IP camera channel licenses
- Vmobile and Vcam mobile apps for iOS and Android devices
- Milestone IP surveillance platform



QIoT

QIoT Suite Lite: QNAP's private IoT cloud platform for microservices-based architectural patterns as applied to IoT systems

- QNAP NAS with large storage capacity
- Well-rounded security
- Protocols for IoT (MQTT, MQTTS, HTTP, HTTPS, CoAP)
- Shorter design lifecycle
- Scalability for micro services
- Integrated with public clouds



QNAP Mobile Apps

QNAP provides numerous apps for iOS, Android, and Windows-based mobile devices to increase the flexibility, manageability and accessibility of QNAP NAS services



Qfile



Qmanager



Qmusic



Qphoto



Qvideo



Qnotes



Qget



Vmobile



Qremote



OceanKTV Client



QNAP Utilities

QNAP provides a range of specialized utilities to bring out the best of QNAP NAS



Qfinder Pro



myQNAPcloud
Connect



Qsync



NetBak
Replicator



vSphere (Web)
Client plug-in



Q'center
Virtual
Appliance



QNAP
Snapshot Agent



QVR
Client

QNAP on the Web

Let's connect



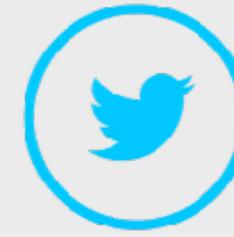
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Thank you
