QNAP Launches Desktop QuTS hero TS-hx86 NAS with Quad-port 2.5GbE





Taipei, Taiwan, July 13, 2020 – QNAP® Systems, Inc., a leading computing, networking and storage solution innovator, today launched its first desktop QuTS hero NAS series – the TS-hx86. Available in the 6-bay TS-h686 and 8-bay TS-h886, the TS-hx86 series provides a robust yet affordable NAS solution for high-end businesses. Featuring Intel® Xeon® D-1600 series processors, 2.5GbE connectivity, M.2 NVMe Gen 3 x4 SSD slots, PCIe expandability, and supporting up to 128 GB server-grade DDR4 ECC memory, the TS-hx86 series also runs the dependable ZFS-based QuTS hero operating system that delivers business-critical features, including data integrity, inline data deduplication and compression, snapshots, and real-time SnapSync, and more.

“Our rackmount QuTS hero NAS systems have arrived to high acclaim, and now we are rolling out desktop form factor models to cater to small organizations that lack sufficient space for on-premises servers” said David Tsao, Product Manager of QNAP, adding “the TS-hx86 is perfect for these organizations to fulfil workgroup file sharing with ZFS advantages, to tackle Big Data storage challenges, and provide exceptional IO performance and seamless cross-team collaboration.”

The TS-hx86 NAS comes with two 2.5-inch SSD trays and two M.2 NVMe Gen 3 x4 SSD slots, allowing for SSD caching configuration to increase IOPS performance and reduce latency, especially perfect for databases and virtualization applications. The four 2.5GbE RJ45 ports support Port Trunking and failover, and work with QNAP’s managed and unmanaged 10GbE/2.5GbE switches, assisting organizations in implementing high-speed, secure and scalable network environments without going over budget. Dual PCIe slots are included for extending core NAS functionalities, for example, adding 5GbE/10GbE/25GbE/40GbE network cards; QM2 cards to add M.2 SSDs or 10GbE (10GBASE-T) connectivity; QXP expansion cards to connect QNAP’s multi-SATA 6 Gb/s expansion enclosures; and entry-level graphics cards to add HDMI output, increase video transcoding/streaming performance, and provide GPU pass-through to virtual machines.

Powered by the ZFS-based QuTS hero, the TS-hx86 series provides data integrity, self-healing, and supports multiple RAID configurations with Triple Parity and Triple Mirror to enhance data protection. Powerful inline data deduplication, compression, and compaction significantly reduce the

overall storage footprint – especially helpful for increasing SSD storage efficiency when highly-repetitive data or massive small files are generated, while improving both random write performance and SSD lifespan. QuTS hero supports near-unlimited snapshots and versioning for enhanced data protection. The advanced block-based real-time SnapSync ensures that both the primary and secondary NAS maintain identical data, providing the strongest support for nonstop business operations.

QuTS hero includes an App Center, providing various install-on-demand apps to expand NAS application potential. Available apps allow you to host virtual machines and containers, simplify local/remote/cloud backups, implement a backup solution for Google G Suite™ and Microsoft 365®, set up a cloud storage gateway to deploy hybrid cloud applications, streamline cross-device and cross-team file synchronization, and much more.

Key Specifications

TS-h686: 4x 3.5-inch drive bays and 2x 2.5-inch SSD trays; Intel® Xeon® D-1602 2 cores/4 threads 2.5 GHz processor (Turbo Boost up to 3.2 GHz), 8 GB DDR4 ECC memory (2 x 4 GB)

TS-h886: 6x 3.5-inch drive bays and 2x 2.5-inch SSD trays; Intel® Xeon® D-1622 4 cores/8 threads 2.6 GHz processor (Turbo Boost up to 3.2 GHz), 16 GB DDR4 ECC memory (2 x 8 GB)

Tower model; hot-swappable 2.5-inch/3.5-inch SATA 6Gbps drive bays, 2x M.2 NVMe Gen 3 x4 SSD slots; 4x 2.5GbE RJ45 ports, 2x PCIe Gen 3 x8 slots; 3x USB 3.2 Gen 1 (5 Gbps) ports

Learn more about QuTS hero at https://www.qnap.com/quts-hero/. For more information and to view the full QNAP NAS lineup, please visit www.qnap.com.