

QNAP QSW-M5216-1T network switch Managed L2 Black

Model: QSW-M5216-1T

Manufacturer: QNAP

EAN: 4713213519134

Product Code: 1721435

R38,764

The QSW-M5216-1T is a 16-Port 25GbE SFP28 fiber Managed Switch with one 10GbE NBASE-T port. Supporting Layer 2 switching and network management via a user-friendly web user interface, the QSW-M5216-1T provides an entry-level network management solution that is usable even by non-IT professionals. Offering ultra-high 25GbE speeds and a backbone switching capacity of 820Gbps, the QSW-M5216-1T can serve as the core switch uplinking to 25G Servers and NAS in server rooms or connecting to 25G/10G switches to accelerate high-speed storage, video editing, virtualization, and AI applications. The QSW-M5216-1T provides flexible network interfaces for high compatibility at an affordable price, enabling small businesses to quickly upgrade to an ultra-high-speed backbone network by integrating to existing network infrastructure.

Upgrade to ultra-high-speed 25GbE with ease!

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While 10GbE is a solid base for high-speed network transmission, the ultra-high-speed 25GbE provides comparative cost advantages and compatibility in SMB server rooms to satisfy data computing applications.

High switching capacity of 820Gbps for backbone networks

The QSW-M5216-1T has sixteen 25GbE SFP28 fiber ports and offers backbone switching capacity of 820Gbps, guaranteeing the full potential of each port. The QSW-M5216-1T can serve as the core switch uplinking to 25G/100G Servers and NAS in server rooms or connecting to 25G/10G edge fiber switches.

Flexible deployment with multiple 25GbE and 10GbE ports

Along with sixteen 25GbE SFP28 fiber ports, the QSW-M5216-1T is has one 10GBASE-T port for enabling hybrid high-speed networks. Its 25GbE SFP28 interfaces are backward compatible with 10GbE SFP+/1GbE SFP; and 10GbE RJ45 is compatible with NBASE-T technologies to support five speeds (10G / 5G / 2.5G / 1G / 100M).

Pair with a NAS and 100GbE network expansion card for high-performance, low-latency computing

By using QSFP28 to (4) SFP28 cables, you can easily connect the four 25GbE ports on the QSW-M5216-1T to a NAS with a QXG-100G2SF-E810 dual-port 100GbE network expansion card. You can also use two QSFP28 to (4) SFP28 cables to connect the 100GbE port on the QXG-100G2SF-E810 to four 25GbE ports on the switch. Set a group of QSFP28 to (4) SFP28 connection as the main route and the other as a backup route.

QSS: Intuitive Network Management Software

The QNAP Switch System (QSS) features an easy-to-use Web GUI with value-added functions to simplify network set up and management.

QSS: Human-centered settings guide

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QSS provides an overview dashboard, port management and setting guide to help control Layer 2 networks.

Optimize Network Performance with bandwidth and packet control

The QSW-M5216-1T provides bandwidth and packet control functions (such as LACP, VLAN, QoS, and IGMP Snooping) to boost network performance through IP grouping and bandwidth management.

Powerful security and system functions

The QSW-M5216-1T has powerful security and system functions (including ACL, LLDP, RSTP and Flow Control) to help enhance network reliability with access controls, troubleshooting, loop prevention and avoiding packet loss.

Near-silent and energy saving

With its smart cooling system, the QSW-M5216-1T ensures high-speed network performance without distracting background noise. IEEE 802.3az (EEE) support also reduces power consumption without sacrificing performance or functionality. By dynamically detecting and adjusting for link speeds and activities, the QSW-M5216-1T provides energy savings of up to 50% to minimize operational costs.

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