QSW-M2108-2S

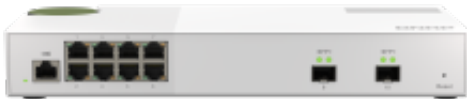**Brand:** QNAP
Product Code: QSW-M2108-2S
Availability: 10
Weight: 1.12kg
Dimensions: 42.50mm x 290.00mm x 127.00mm
Call for Price:

Short Description

QNAP QSW-M2108-2S, Black, 2 x 10GbE SFP+ Ports & 8 x 2.5GbE RJ45 Ports, Layer 2 Web Managed Switch, Compatible with Desktop

Description

The QSW-M2108-2S is a Layer 2 Web Managed Switch with two 10GbE SFP+ ports and eight 2.5 Gigabit ports. Supporting Layer 2 switching and network management via a user-friendly web user interface, the QSW-M2108-2S offers flexible deployment in hybrid high-speed network environments and provides an entry-level network management solution that is usable even by non-IT professionals. With high performance, user-friendly management, and desktop form factor, the QSW-M2108-2S enables cost-effective upgrading to 2.5GbE or 10GbE networking while optimizing bandwidth and ensuring secure network maintenance. The QSW-M2108-2S is made in Taiwan (MIT), providing a high-quality and reliable networking solution.

10GbE & 2.5GbE connectivity

Includes two 10GbE SFP+ ports and eight 2.5GbE RJ45 ports for connecting various devices and enabling hybrid high-speed networks.

User-friendly management interface

The QNAP Switch System (QSS) is easy to use and provides an overview dashboard, port management and setting guide, making central network management intuitive.

Layer 2 network

Provides Layer 2 management features (such as LACP, VLAN, ACL and LLDP) for IT staff to efficiently control network bandwidth and enhance security.

RSTP protocol

One of the few web-managed switches that supports Rapid Spanning Tree Protocol (RSTP). Easily and efficiently deploy small/medium-scale networks that support expansion, redundancy, and loop prevention.

Flow Control

Compliant with IEEE802.3x Flow Control in full-duplex mode, the QSW-M2108-2S avoids packet loss from unparalleled bandwidth.
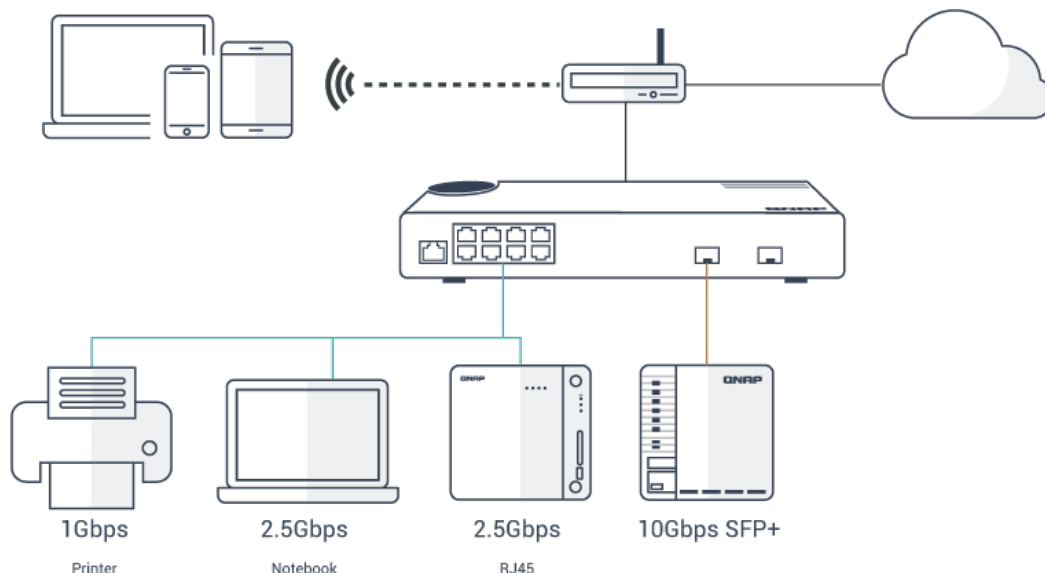
Online OS update

QSS can be updated with just one click, helping IT staff ensure their network security.

Flexible deployment with multiple 10G SFP+ fiber and Multi-Gigabit ports

The QSW-M2108-2S provides two 10GbE SFP+ ports and eight 2.5 Gigabit ports for connecting various devices and enabling hybrid high-speed networks. With SFP+ interfaces, Direct Attach Copper (DAC) cables can be used for connecting directly to SFP+ devices. You can also use RJ45 ports to connect 10GBASE-T/NBASE-T™ devices through RJ45 Category 6 (or better) cabling. The switching capacity of the QSW-M2108-2S is 80Gbps, guaranteeing the full potential of each port.

Note : 10GbE SFP+ ports are backward compatible with 1GbE SFP.

Fully embrace high-speed networking with QNAP!

QNAP offers comprehensive, budget-friendly storage and networking solutions that provide an array of connectivity possibilities. Easily and flexibly upgrade your workplace or home network now to handle bandwidth-hungry applications.

A switch that supports 2.5GbE/10GbE

QNAP 2.5GbE/10GbE switches support 10G/5G/2.5G/1G/100M and allow connecting multiple workstations and devices for high-speed collaboration in device-dense environments.

A fast NAS

A QNAP NAS with multiple 2.5GbE/10GbE ports and Port Trunking allows you to combine multiple ports for greater bandwidth potential.

Upgrade desktops and servers

Servers and desktops can install QNAP PCIe network cards that support 10G/5G/2.5G/1G/100M Multi-Gig.

Add a 5GbE/10GbE port to laptops

Use the portable QNAP USB 3.2 Gen 1 to 5GbE adapter or QNAP Thunderbolt 3 to 10GbE adapter to connect laptops and upgrade-limited computers to 5G/2.5G/1G/100M

networks.

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.

Sleek Design

Use the at-a-glance major functions, flat control layers and one-click login to simplify set up and management.

GUI

The visual illustration matches physical ports for greater usability.

Value-added

With the settings guide, status chart reference, online firmware update, learning and management costs are greatly reduced.

QSS: Human-centered settings guide

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

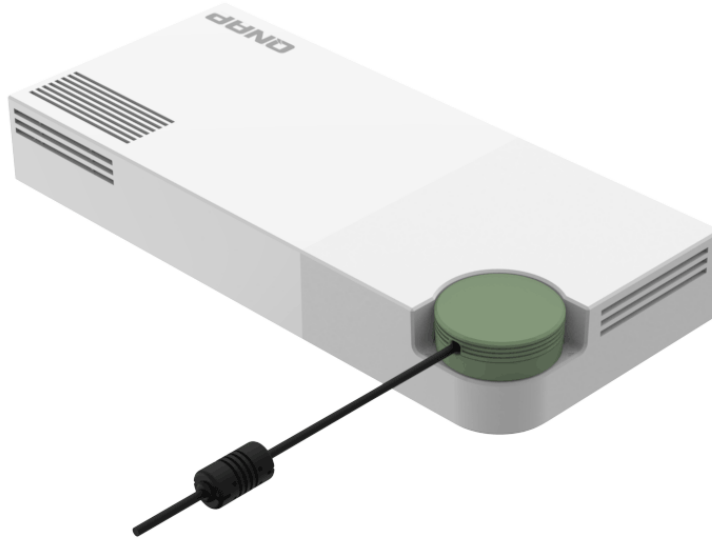# Optimize Network Performance with bandwidth and packet control

The QSW-M2108-2S 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-M2108-2S has powerful security and system functions (including ACL, LLDP, RSTP and Flow Control) to help administrators enhance network reliability using access controls, troubleshooting, loop prevention and avoiding packet loss.

Desktop form factor for easy use in offices

With a compact and modern design, the QSW-M2108-2S stands out with its delicate textured surface design. The flexible DC power connector enables universal deployment of the QSW-M2108-2S and each port can be easily identified. Being fully plug-and-play, devices can be simply connected to the QSW-M2108-2S and immediately used.

Software Specs

Standards Compliance	1. IEEE 802.3 Ethernet
	2. IEEE 802.3u 100BASE-T
	3. IEEE 802.3ab 1000BASE-T
	4. IEEE 802.3bz 2.5G/5GBase-T
	5. IEEE 802.3an 10G BASE-T
	6. IEEE 802.3z 1000BASE-SX/LX
	7. IEEE 802.3ae 10G Fiber
	8. IEEE 802.3x Full-Duplex Flow Control
	9. IEEE 802.1Q VLAN Tagging
	10. IEEE 802.1w RSTP
	11. IEEE 802.3ad LACP
	12. IEEE 802.1AB LLDP
	13. IEEE 802.1p Class of Service
Port Management	1. Port status
	2. Port statistics
	3. Port configuration
	4. Jumbo frame support
	5. IEEE 802.3x flow control
	6. Auto-negotiation of speed and duplex modes
QoS	1. Port-based QoS

	2. IEEE 802.1p CoS
	3. IPv4 DSCP-based QoS
	4. IPv4 ToS-based QoS
VLAN	1. VLAN configuration
	2. IEEE 802.1Q-based VLAN
Layer 2 Features	1. LACP
	2. IGMP snooping v2
Security	Access Control Lists (ACL): ACL by IP address, ACL by MAC
Firmware management	1. Firmware Live Update
	2. Firmware Manual Update
Other Features	1. Link Layer Discovery Protocol (LLDP): LLDP remote device
	2. Interface: Web UI
	3. SNTP, DNS, DHCP client entry
RSTP	IEEE802.1w Rapid Spanning Tree

Specification

Network Switches	
Management Type	Web Managed
Number of Ports	10
10GbE SFP+	2
Power Supply Description	Adapter
Max. Power Consumption	23W
Input Power Type	DC
Input Voltage Range	12V
MAC Address Table	16K
Total Non-Blocking Throughput	40Gbps
Switching Capacity	80Gbps
Management Interface	Web
Console	RJ45
Fan	PWM double ball bearing fan x 1
Form Factor	Desktop
Operating Temperature	0?C to 40°C (32°F to 104°F)
Jumbo Frames	9K
Electromagnetic Compliance	CLASS A
Certifications	CE, FCC, VCCI, BSMI

Relative Humidity	5~95% Non-condensing
LED Indicators	Per Port: Speed/Link/Activity Per System: Power/Status
Supported Standards	IEEE 802.3 Ethernet IEEE 802.3u 100BASE-T IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-SX/LX IEEE 802.3ae 10G Fiber IEEE 802.3x Full-Duplex Flow Control IEEE 802.1Q VLAN Tagging IEEE 802.1w RSTP IEEE 802.3ad LACP IEEE 802.1AB LLDP IEEE 802.1p Class of Se

Product Gallery