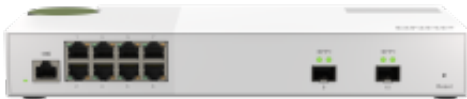


# QSW-M2108-2S



**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.

2.5GbE

10GbE

## 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.

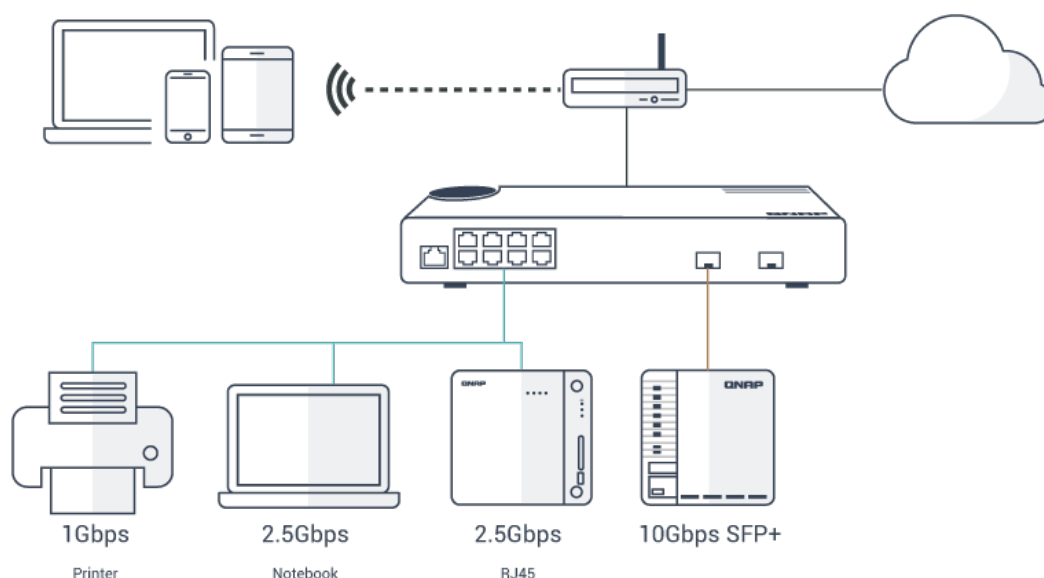
## Online OS update

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**

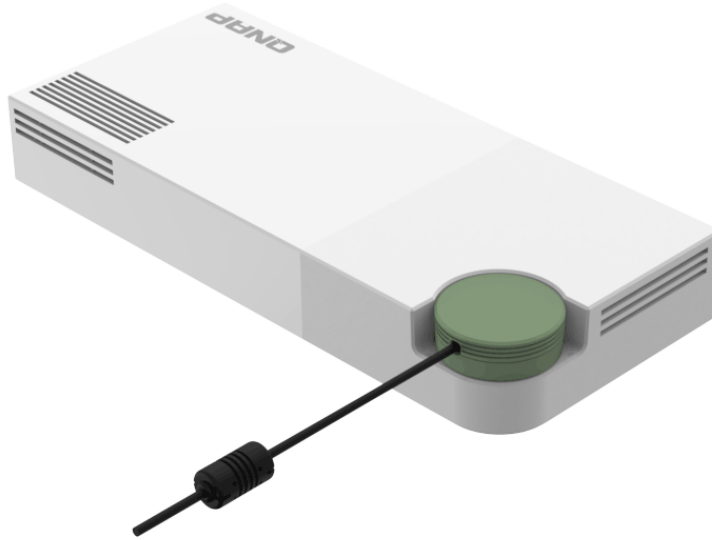
The QSW-M2108-2S provides bandwidth and packet control functions (such as LACP, VLAN, QoS, and IGMP Snooping) to boost network performance through IP grouping and bandwidth management.

## **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

	<ol style="list-style-type: none"> <li>2. IEEE 802.1p CoS</li> <li>3. IPv4 DSCP-based QoS</li> <li>4. IPv4 ToS-based QoS</li> </ol>
VLAN	<ol style="list-style-type: none"> <li>1. VLAN configuration</li> <li>2. IEEE 802.1Q-based VLAN</li> </ol>
Layer 2 Features	<ol style="list-style-type: none"> <li>1. LACP</li> <li>2. IGMP snooping v2</li> </ol>
Security	Access Control Lists (ACL): ACL by IP address, ACL by MAC
Firmware management	<ol style="list-style-type: none"> <li>1. Firmware Live Update</li> <li>2. Firmware Manual Update</li> </ol>
Other Features	<ol style="list-style-type: none"> <li>1. Link Layer Discovery Protocol (LLDP): LLDP remote device</li> <li>2. Interface: Web UI</li> <li>3. SNTP, DNS, DHCP client entry</li> </ol>
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**

