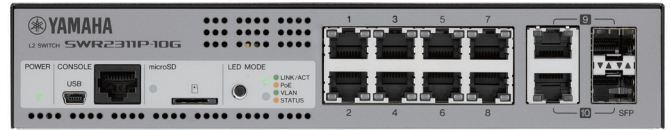


## Overview

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Intelligent L2 Network switch with PoE



## Features

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- Recommended settings for stable operation of a Dante network (such as QoS, EEE, and IGMP Snooping) can be made easily
- LAN ports equipped with PoE supply 8 (#1-8)
- LAN/SFP combo ports 2 (#9, 10) (The LAN port and SFP slot are exclusively used)
- PoE supply is compliant with IEEE 802.3at, and can supply up to 30W to all PoE ports (All ports 240W)
- The Yamaha LAN Monitor application for Windows computers provides a comprehensive single-screen view of all necessary parameters.

## Specifications

### General Specifications

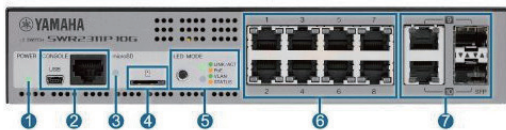
LAN Port	Standard	IEEE 802.3 (10BASE-T/100BASE-TX/1000BASE-T)
	Number of Ports	8 ports
	Communication Mode	Auto negotiation
	Connector Type	RJ-45
	MAC Address	Printed on top surface label
	Polarity	Straight/cross automatic detection
Combo Ports*	LAN Ports	IEEE 802.3 (1000BASE-T) 2 ports (use is mutually exclusive with SFP ports)
	SFP Ports	SFP (Small Form-factor Pluggable) 2 ports (use is mutually exclusive with LAN ports)
Console Port		RJ-45 (RS-232C), USB mini-B (5pin) (USB2.0): 9600 bit/s
Performance	Switching Bandwidth	20 Gbit/s
	Forwarding Rate	14.88 Mpps
	Flame Buffer	1.5 MB
Ports Available for PoE Power Supply		8 ports (1-8)
PoE Standards		IEEE 802.3at
Power Supply System		Alternative A
Maximum Power Supply	Per Port	30 W
	All Ports	240 W
microSD Slot	Standard	SD/SDHC
	Number of Slots	1 slot
Indicators		POWER, microSD, LED MODE, LAN port, SFP port
Operating Environment		Ambient temperature: 0–40 °C, Ambient humidity: 15–80%, non-condensing
Storage Environment		Ambient temperature: -20–50 °C, Ambient humidity: 10–90%, non-condensing
Power Supply Voltage, Frequency		AC100 ~ 240V, 50/60Hz
Maximum Power Consumption		280 W
Dimensions (W x H x D)**		220 mm x 42.4 mm x 294 mm (8.7" x 1.7" x 11.6")
Weight		2.3 kg (5.1 lbs)
Accessories		Owner's Manual, power cord, power cord clamp, legs

\* Do not connect a cable to both the LAN port and the SFP port of the same port number. Doing so might cause a malfunction.

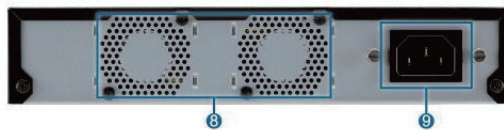
\*\* Without any protrusion or feet

### Controls and Connectors

#### ■ Front panel



#### ■ Rear panel



- ① POWER indicator
- ② CONSOLE ports (mini-USB/RJ-45)
- ③ microSD indicator
- ④ microSD slot
- ⑤ MODE button/MODE indicator
- ⑥ LAN ports
- ⑦ LAN/SFP combo ports
- ⑧ Fans
- ⑨ Power supply inlet

### RJ-45/DB-9 Console Cable Pin Configuration

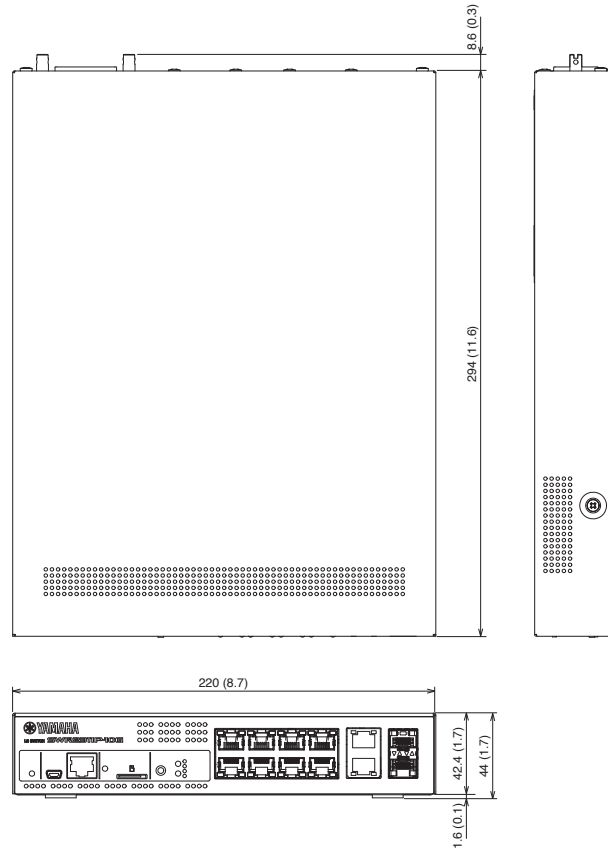
#### Console (RS-232C)

Signal	RJ-45	D-SUB 9
RTS	1	8
DTR	2	6
TxD	3	2
GND	4	5
GND	5	
RxD	6	3
DSP*	7	7
CTS*	8	4
		1

\* These signals are not used by the SWR2311P-10G.

## Dimensions

Unit: mm (inch)



## Options

- Rack Mount Accessory      RK-SWR
- Wall Mount Accessory      WK-SWR
- SFP Module                  SFP-SWRG-SX/LX

## Software

- Yamaha LAN Monitor

## Architectural and Engineering Specifications

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The Yamaha SWR2311P-10G shall be an intelligent ten-port L2 switch that is optimized for networked audio installations. Eight RJ-45 connectors and two LAN/SFP combo ports shall be provided on the front panel for network connection. Eight of the ten RJ-45 connectors provided shall be capable of supplying power to PoE powered network devices. Each PoE-compliant port shall be capable of supplying up to 30 watts, up to a maximum of 240 watts total for all ports. Each of the two LAN/SFP combo ports shall be usable as a LAN port for copper connections, or as an SFP port for optical fiber connections when an optional SFP module (SFP-SWRG-LX or SFP-SWRG-SX) is plugged in. The RJ-45 LAN connector of each LAN/SFP combo port shall be disabled when an SFP module is installed. PoE capability shall not be provided on the two LAN/SFP combo ports. CONSOLE port connectors, one mini-USB and one RJ-45, shall be provided on the front panel for connection to a computer that will be used to check and edit L2 switch settings. The mini-USB CONSOLE port shall allow connection to a computer USB port via a USB cable equipped with USB Type A and mini-USB Type B (5-pin) connectors. The RJ-45 CONSOLE port shall allow connection to a computer RS-232 (COM) port via an RJ-45/DB-9 serial cable. One micro SD slot shall be provided on the front panel. A micro SD card inserted into the slot shall allow SD card booting for firmware updates, saving and copying config files, saving log files, saving technical support information, and saving statistical information. A front-panel micro SD indicator shall show the connected/operating status of the micro SD card. A MODE button and LED indicators shall be provided on the front panel to allow the display mode of the port indicators to be switched to show the LINK/ACT and SPEED, PoE, VLAN, or ERROR status of each port. It shall also be possible to turn the display port indicators OFF. A dedicated Yamaha LAN Monitor software application for Windows operating systems shall allow comprehensive monitoring of SWR2311P-10G status (including PoE power supply status and the amount of power supplied), as well as the entire network including connected Dante devices. The software shall also be capable of taking network status “snapshots” and alerting the user to any changes. A Web GUI interface shall be accessible via the Yamaha LAN Monitor software, providing a graphical user interface for intuitive user interaction, from system design to maintenance. The power supply shall be internal so that no external AC adapter is required. An optional rack mount accessory shall allow one or two SWR2311P-10G units to be mounted in a 1U rack space. An optional wall mount accessory shall allow one SWR2311P-10G unit to be attached to a wall or ceiling. Dimensions shall be 220 (W) x 42.4 (H) x 294 (D) mm. Weight shall be 2.3kg.

\*All information subject to change without notice.

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