

## Overview

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Intelligent L2 Network switch.



## Features

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- Available ports: 16 LAN ports and 2 SFP+ slots
- In-built RADIUS server\* for advanced security management (Ver.2.04.03 or later)
- Yamaha LAN Monitor supported

## Specifications

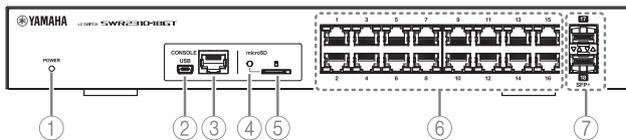
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### General Specifications

LAN ports	Standard	IEEE 802.3 (10BASE-T/100BASE-TX/1000BASE-T)
	Number of Ports	16
	Communication Mode	Auto negotiation
	Connector Type	RJ-45
	Polarity	Automatic detection of straight/cross, or fixed at straight
SFP+ Ports	Standard	IEEE 802.3z (1000BASE-SX/1000BASE-LX), IEEE 802.3ae (10GBASE-SR/10GBASE-LR)
	Number of Ports	2
SFP Ports	Standard	-
	Number of Ports	-
Console Ports	Standard	RS-232C, USB 2.0
	Connector Type	RJ-45, USB mini-B (5-pin)
	Data Transmission Speed	9600 bit/s
Performance	Switching Bandwidth	72 Gbit/s
	Forwarding Rate	54 Mpps
	Flame Buffer	1.5 MB
microSD Slot	Standard	microSD/microSDHC (microSDXC is not supported)
	File System	FAT/FAT32
Indicators	POWER, microSD, LAN port (LINK/ACT, SPEED), SFP+ port (LINK/ACT, SPEED)	
MAC Address	Indicated in product label on top panel of unit	
Operating Environment	Ambient temperature: 0–50°C, Ambient humidity 15–80% (non-condensing)	
Storage Environment	Ambient temperature: -20–60°C, Ambient humidity 10–90% (non-condensing)	
Power supply Voltage, Frequency	AC100–240V, 50/60 Hz	
Maximum Power Consumption	19.0 W	
Dimensions (W x H x D)	330 mm x 43.5 mm x 200 mm (13.0" x 1.7" x 7.9")	
Weight	2.1 kg (4.6 lbs)	
Accessories	Owner's manual, power cord (3-prong), power cord clamp, legs, 19-inch rack mount hardware and screws	

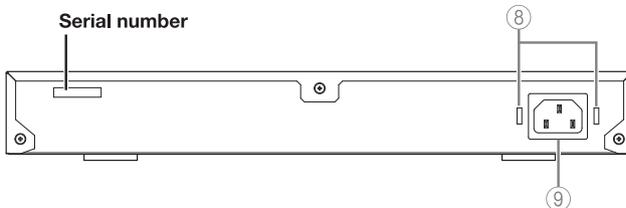
### Controls and Connectors 1/2

#### ■ Front Panel



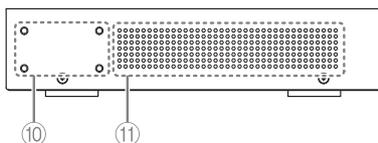
- ① POWER indicator
- ② mini-USB CONSOLE port
- ③ RJ-45 CONSOLE port
- ④ microSD indicator
- ⑤ microSD slot
- ⑥ LAN ports
- ⑦ SFP+ ports

#### ■ Rear Panel



- ⑧ Power cord clamp attachment holes
- ⑨ Power supply inlet (three-pin connector, C14 type)

#### ■ Side Panel



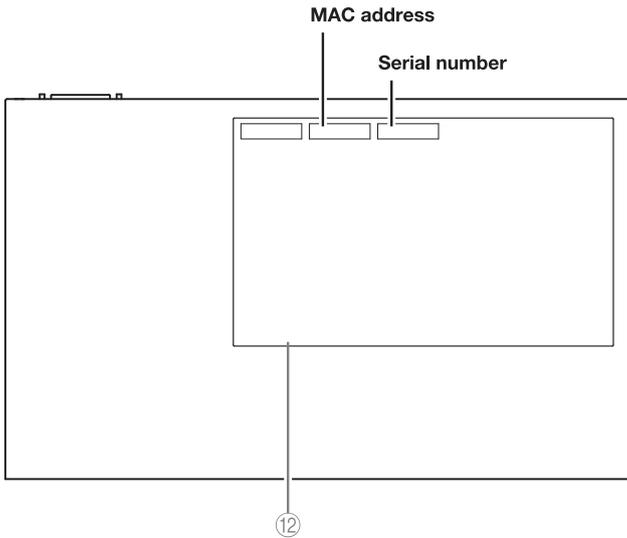
- ⑩ Rack mount accessory attachment holes
- ⑪ Cooling vents

## Specifications

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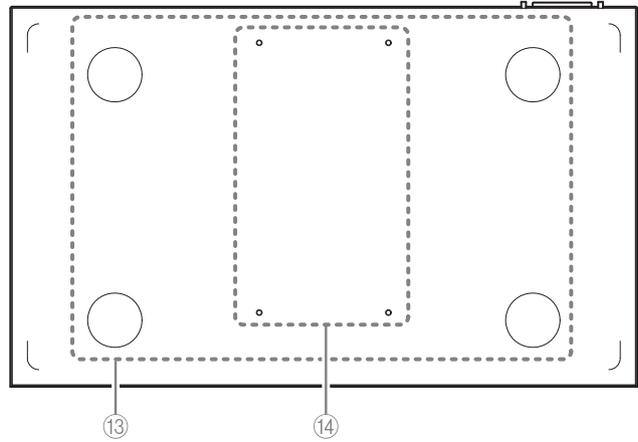
### Controls and Connectors 2/2

#### ■ Top Panel



⑫ Product label

#### ■ Bottom Panel



⑬ Leg attachment guides

⑭ Wall mount accessory attachment holes

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

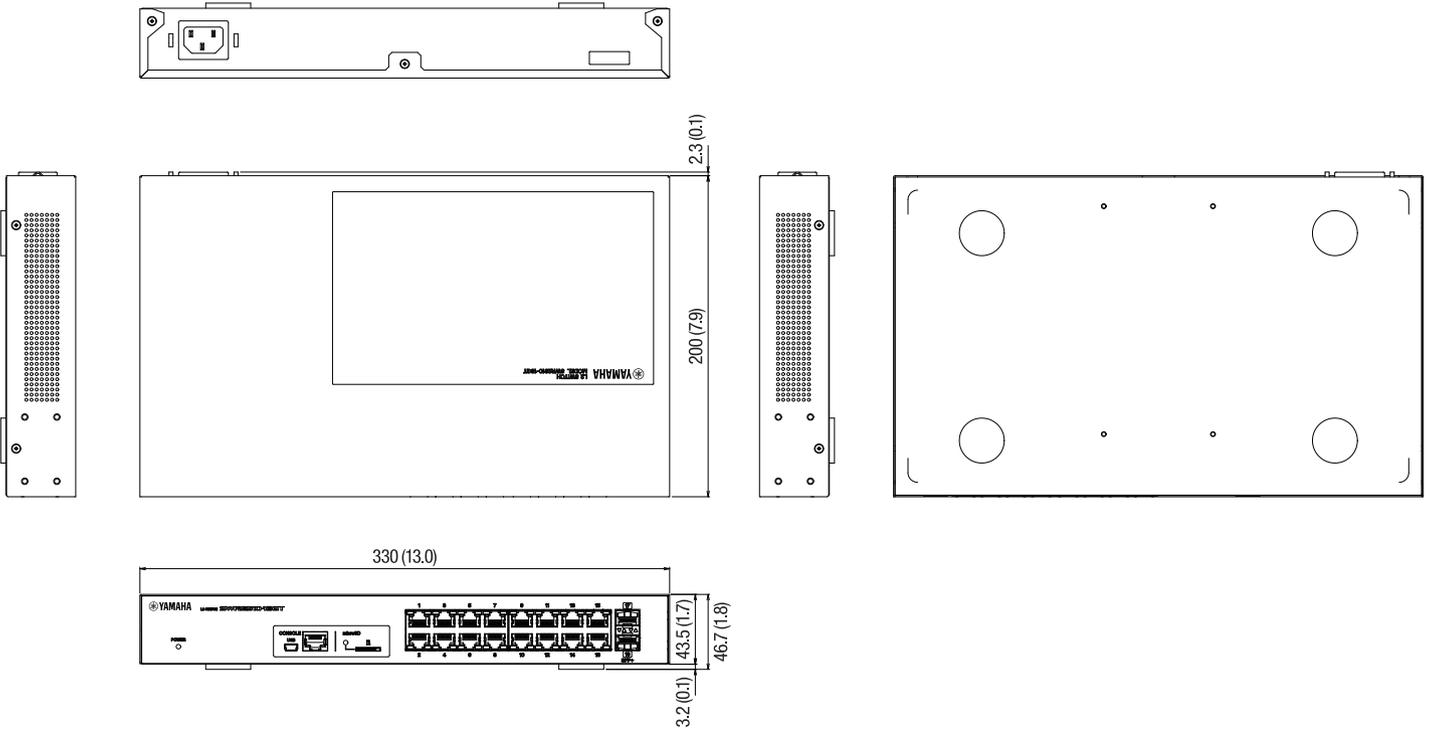
#### Console (RS-232C)

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

\*DSR and CTS signals are not used by the SWR2310 series.

## Dimensions

Unit: mm (inch)



## Options

- Rack Mount Accessory RK-SWR (Rack-mount brackets are included in SWR2310-18GT)
- Wall Mount Accessory WK-SWR
- SFP Module SFP-SWRG-SX/SFP-SWRG-LX
- SFP+ Module SFP-SWRT-SR/SFP-SWRT-LR
- Direct Attached Cable DAC-SWRT-1M/DAC-SWRT-1M3M

## Software

- Yamaha LAN Monitor

## Architectural and Engineering Specifications

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The Yamaha SWR2310-18GT shall be an intelligent eighteen-port L2 switch optimized for networked audio installations, particularly those that use Dante networking. Sixteen RJ-45 connectors and two SFP+ ports shall be provided on the front panel for network connection. The sixteen RJ-45 standard LAN connectors shall allow IEEE802.3 (10BASE-T/100BASE-TX/1000BASE-T) connection. The two SFP+ ports shall allow installation of optional SFP+ modules such as the SFP-SWRG-SR or SFP-SWRG-LR, for IEEE802.3z (1000BASE-SX/1000BASE-LX) or IEEE802.3ae (10GBASE-SR/10GBASE-LR) connection. One mini-USB port and one RJ-45 CONSOLE port shall be provided on the front panel for setup from a computer. The mini-USB port shall allow connection to the USB port of a computer, and the RJ-45 CONSOLE port shall allow connection to the RS-232C connector (COM port) of a computer. One micro SD slot shall be provided on the front panel, accepting a micro SD or micro SDHC card for SD card boot (firmware, config), firmware update, config file save and copy, log file save, technical support information save, and statistical information save. A front-panel micro SD indicator shall show micro SD card status. A dedicated Yamaha LAN Monitor software application for Windows and macOS (as of LAN Monitor version 1.4.1) operating systems shall allow comprehensive monitoring of SWR2310-18GT status, as well as the entire network including connected Dante devices. A “Dante optimization” button on the web-based GUI shall allow automatic setup to ensure stable operation in larger Dante systems. As of firmware version 2.04.03 the SWR2310-18GT shall include a built-in RADIUS server for advanced security management. The power supply shall be built in so that no external AC adapter is required. A supplied rack mount accessory shall allow one SWR2310-18GT unit to be mounted in a 1U rack space. An optional wall mount accessory shall allow one SWR2310-18GT unit to be attached to a wall or ceiling. Dimensions shall be 330 (W) x 43.5 (H) x 200 (D) mm. Weight shall be 2.1kg.

\*All information subject to change without notice.

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Created in December, 2021

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