



Huawei S310-24U4X

Ethernet Switch · Specification summary



Huawei description	24 x 10/100/1000BASE-T PoE++ ports, 4 x 10GE SFP+ ports AC power supply PoE 2268 W Packet forwarding rate: 95 Mpps Switching capacity: 128 Gbit/s
Part number	98012947
Huawei category	Switch / S310 Series
Switching capacity	128 Gbit/s
Packet forwarding rate	95 Mpps
GE RJ45	24 (PoE++) (1G/100M/10M)
10G SFP+	4 (10G/1G)
PoE	Supported
Maximum PoE power consumption [W]	Single-power module scenario: Single 600 W AC power module: 513 W (220 V AC); 228 W (110 V AC); Single 1000 W AC power module: 846 W (220 V AC); 756 W (110 V AC); Single 1000 W DC power module: 846 W (56 V DC); Dual-power module scenario: 600 W AC power module + 600 W AC power module: 1083 W (220 V AC); 513 W (110 V AC); 600 W AC power module + 1000 W AC power module: 1386 W (220 V AC); 600 W AC power module + 1000 W DC power module: 1386 W (220 V AC/56 V DC); 1000 W AC power module + 1000 W AC power module: 1746 W (220 V AC); 1566 W (110 V AC); 1000 W DC power module + 1000 W DC power module: 1746 W (56 V DC); 1000 W AC power module + 1000 W DC power module: 1746 W (220 V AC/56 V DC); 1566 W (110 V AC/56 V DC); Three-power module scenario: 600 W AC power module + 600 W AC power module + 600 W AC power module: 1653 W (220 V AC); 798 W (110 V AC); 600 W AC power module + 600 W AC power module + 1000 W AC power module: 1926 W (220 V AC); 600 W AC power module + 1000 W AC power module + 1000 W AC power module: 2268 W (220 V AC); 600 W AC power module + 600 W AC power module + 1000 W DC power module: 1926 W (220 V AC/220 V AC/56 V DC); 600 W AC power module + 1000 W AC power module + 1000 W DC power module: 2268 W (220 V AC/220 V AC/56 V DC); 600 W AC power module + 1000 W DC power module + 1000 W DC power module: 2268 W (220 V AC/56 V DC/56 V DC); 1000 W AC power module + 1000 W AC power module + 1000 W AC power module: 2268 W (220 V AC); 2268 W (110 V AC); 1000 W AC power module + 1000 W AC power module + 1000 W DC power module: 2268 W (220 V AC/220 V AC/56 V DC); 2268 W (110 V AC/110 V AC/56 V DC); 1000 W AC power module + 1000 W DC power module + 1000 W DC power module: 2268 W (220 V AC/56 V DC/56 V DC); 2268 W (110 V AC/56 V DC/56 V DC); 1000 W DC power module + 1000 W DC power module + 1000 W DC power module: 2268 W (56 V DC)
iStack	Up to 4 switches of the same series in a stack
Certification	EMC certification; Safety certification; Manufacturing certification
Chassis material	Metal
Static power consumption [W]	28.8

Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 420.0 mm (1.72 in. x 17.40 in. x 16.54 in.); Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 43.6 mm x 442.0 mm x 446.0 mm (1.72 in. x 17.40 in. x 17.56 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	185.0 mm x 650.0 mm x 550.0 mm (7.28 in. x 25.59 in. x 21.65 in.)
Installation type	Rack mounting, Desk mounting
Weight without packaging [kg(lb)]	5.92 kg (13.05 lb)
Weight with packaging [kg(lb)]	7.99 kg (17.61 lb)
Typical power consumption [W]	36.98
Maximum power consumption [W]	Without PoE: 51.60 W (with two 600 W AC power modules); 54.70 W (with two 1000 W AC power modules); 65.30 W (with two 1000 W DC power modules); Full PoE load: 2428.11 W (PoE: 2268 W, with three 1000 W AC power modules)
Number of fans modules	2
Long-term operating temperature [°C(°F)]	-5°C to +50°C (23°F to 122°F) at an altitude of 0-1800 m (0-5905.44 ft.)
Long-term operating relative humidity [RH]	5% RH to 95% RH, non-condensing
Power supply mode	Pluggable power supply
Input voltage range [V]	AC input: 90 V AC to 290 V AC; 45–65 Hz; High-voltage DC input: 190 V DC to 290 V DC; DC input: -38.4 V DC to -72 V DC
Power supply surge protection [kV]	Configured with AC power modules: ±6 kV in differential mode and ±6 kV in common mode; Configured with DC power modules: ±2 kV in differential mode and ±4 kV in common mode
Types of fans	Built-in
Heat dissipation mode	Air cooling for heat dissipation, intelligent fan speed adjustment
Airflow direction	Air intake from left, front, and right and air exhaust from rear

Specifications are summarised from the manufacturer's published information (checked 2026-10-27). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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