



Overview

The RS-ES-100 Series is a full gigabit unmanaged PoE fiber switch family independently developed by Rubisec.

It has 10 or 26*10/100/1000Base-T ports and 2*1000M SFP port slots. Ports 1-8 and 1-24 can support IEEE802.3af/at PoE standard, single port PoE power up to 30W, Total power is 130W for RS-ES-100-10GP and 370W for RS-ES-100-28GP. As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable.

It can automatically detect and identify the the electrical equipment that meets the standard and supply power to it through the network cable, devices including wireless AP, IP camera, IP telephone and other PoE terminal equipment etc. In addition, it is suitable for networking system of hotel, campus, dormitory and small&medium enterprise etc.

Unmanaged mode, plug and play, no configuration, easy to use.

Models	RS-ES-100-10GP	RS-ES-100-28GP
Interface Characteristics		
Fixed Port	8*10/100/1000Base-T PoE ports 2*10/100/1000Base-T uplink RJ45 ports 2*1000Base-X uplink SFP ports	24*10/100/1000Base-T PoE ports 2*10/100/1000Base-T uplink RJ45 ports 2*1000Base-X uplink SFP ports
Ethernet Port	10/100/1000Base-T(X) ports supports auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T: Cat5e or later UTP (≤100 meters)	
SFP Port	Gigabit SFP optical fiber port, default no include optical modules (optional single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Optical Cable / Distance	Multi-mode: 850nm/ 0-500M, Single-mode: 1310nm/ 0-40KM, 1550nm/ 0-120KM	

Chipset Parameters		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	24Gbps (Non-blocking)	56Gbps (Non-blocking)
Forwarding Rate@64byte	17.86Mpps	41.66Mpps
MAC	4K	8K
Jumbo Frame	9.6K	
LED Indicators	Power: PWR (green), network:Link, Link/Act (yellow), PoE: PoE(green), SFP port: L/A (green), speed : 1000M (green)	
Reset Switch	-	Yes, One-button factory reset
PoE & Power Supply		
PoE Port	1 to 8, IEEE 802.3 af/at	1 to 24, IEEE 802.3 af/at

Power Supply Pin	1/2(+) 3/6(-)	
Max Power Per Port	30W, IEEE 802.3 af/at	
Power Consumption	Standby <8W, Full load <120W	Standby <22W, Full load <380W
Total Power / Input Voltage	130W (AC100-240V)	400W (AC100-240V)
Power Supply	Built-in power supply, AC100~240V 50-60Hz 2.3A	Built-in power supply, AC100~240V 50-60Hz 6.6A

Physical Parameters		
Operation TEMP / Humidity	-20°C ~ +55°C, 5%-90% RH Non condensing	
Storage TEMP / Humidity	-40°C ~ +75°C, 5%-95% RH Non condensing	
Ingress Protection	IP30	
Lighting Protection	4KV 8/20us	
Dimension (L*W*H)	270*181*44.5mm	440*290*44.5mm
Net / Gross Weight	<1.5kg / <2.0kg	<3.8kg / <4.3kg
Installation	Desktop, wall mounted, 19 inch 1U cabinet	
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS	

Packing List	Content	Qty	Unit
Packing List	12 or 28-Ports full gigabit unmanned PoE fiber switch	1	SET
	AC power cable	1	PC
	Mounting Kits (Hanging Ear)	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

Ordering Information	
Model	Description
RS-ES-100-10GP	Unmanaged PoE switch with 10*10/100/1000Base-T RJ45 ports and 2*1000M uplink SFP ports, Port 1-8 can support IEEE802.3af/at PoE standard. Support 1U/19 inch rack installation.
RS-ES-100-28GP	Unmanaged PoE fiber switch with 26*10/100/1000Base-T RJ45 ports and 2*1000M uplink SFP ports. Port 1-24 can support IEEE802.3af/at PoE standard. Support 19" 1U rack-mount installation.