

- **8\*Gigabit RJ45 ports**
- **Apply to IEEE802.3, IEEE802.3u, IEEE802.3ab standard**
- **Ethernet ports support 10/100/1000M adaptive**
- **Support auto MDI/MDIX**
- **Panel indicators to monitor working status and help fault analysis**
- **Flow control, full-duplex adopts IEEE802.3x standard, half-duplex adopts back pressure standard**
- **Ports 1-2 support QoS data priority**
- **Support port lightning protection surge: common mode 2 kV**



## Application environment

- **Metro optical broadband network: data network operators such as telecommunications, cable TV, and network system integration, etc.**
- **Broadband private network: suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries**
- **Multimedia transmission: integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications**
- **Real-time monitoring: simultaneous transmission of real-time control signals, images and data**

## 8-port Gigabit Ethernet switch

ES-GB-8P is a 8-port Gigabit intelligent Ethernet switch that adopts high-quality and high-speed network ICs. This product completely solves the problem of noise of small switches in the office environment through the fanless mute design. This switch has 8 Gigabit RJ45 ports, can provide seamless connection for 10/100/1000M Ethernet, supports three working modes, and one-key smart simple switching

working mode. Easy to manage and maintain, the product can be widely used in security network video surveillance, hotel, campus, small and medium-sized enterprise network engineering and other occasions.

### ES-GB-8P device and performance specifications

#### Input/Output interface

Parameter	ES-GB-8P	Units	Notes
Power	5 VDC	V	
Ethernet	8*Gigabit RJ45 ports		

#### Chip Solution

Parameter	ES-GB-8P	Units	Notes
Main chip	EN8851F		

#### Performance

Parameter	ES-GB-8P	Units	Notes
Switching capacity	16	Gbps	
Throughput	11.90	Mpps	
MAC address	1	K	
Jumbo frame	2	KB	
Transfer mode	Store and forward		

#### Standard

Parameter	ES-GB-8P	Units	Notes
Network protocol	IEEE802.3 (10Base-T)		
	IEEE802.3u (100Base-TX)		
	IEEE802.3ab (1000Base-TX)		
	IEEE802.3x (Flow Control)		
Industry standard	EMI: FCC Part 15 CISPR (EN55032) class A		
	EMS: EN61000-4-2 (ESD)		
	EN61000-4-5 (Surge)		
Network medium	10Base-T: Cat3, 4, 5 or above UTP (≤100 m)		
	100Base-TX: Cat5 or above UTP (≤100 m)		
	1000Base-TX : Cat5 or above UTP (≤100 m)		

#### Protection

Parameter	ES-GB-8P	Units	Notes
Security certificate	CE, FCC, RoHS		

## ES-GB-8P device and performance specifications

### Indication

Parameter	ES-GB-8P	Units	Notes
LED indicators	PWR (power supply), Link (network link)		
PWR	On: power on		
	Off: no power		
Link	On: 10/100/1000M link connection is normal		
	Flashing: data transmission is normal		
	Off: link failure		

### Mechanical and environmental specifications

Parameter	ES-GB-8P	Units	Notes
Operating voltage	Power interface: DC2.1		
	Switch input voltage: 5 VDC, 1 A		
Total power	5	W	
Packing info	Carton measurements: 520*335*380	mm	
	Packing quantity: 30 units		
	Packing weight: 10.63	kg	
Package list	Switch 1 pc, power adapter 1 pc, user manual 1 pc, warranty 1 pc		
Temperature	Operating	-10°C to +50°C (+14°F to +122°F)	°C/°F
	Storage	-40°C to +70°C (-40°F to +158°F)	°C/°F
Humidity	Operating	10-90%, non-condensing	%
	Storage	5-90%, non-condensing	%
Dimensions (L*W*H)	Product	138*78*25	mm
	Package	175*120*63	mm
Weight	Product	0.241	kg
	Package	0.321	kg

### Order information

Item code	Legacy code	Description
	<b>ES-GB-8P</b>	Ethernet Gigabit switch intelligent 8 ports