

800 Meters Long-distance Ethernet PoE Extender

SL-POE500EX



The 800 Meters Long-distance Ethernet PoE Extender uses advanced network cable drive technology and power supply technology to break through the limit of Ethernet transmission distance within 100 meters, and can extend the 10BASE-T twisted pair electrical signal to 800-1000 meters, while Provide power to back-end equipment. The product also supports independent power supply, which is also applicable to non-PoE switches and can be widely used in security PoE network monitoring and PoE network engineering. Using high-quality and high-speed network IC and the most stable PoE chip to ensure the safe and stable operation of your network

Main Features

- 1*10/100Mbps PD Ethernet Port + 1*10/100Mbps PoE Port ;
- Comply with IEEE 802.3、 IEEE 802.3u、 IEEE802.3af/at Standards;
- Ethernet Port Supports 10/100Mbps adaptive and PoE functions ;
- Support Port Auto-flip (Auto MDI/MDIX)
- Panel indicator monitoring status and help failure analysis ;
- One-key smart switch, open long-distance mode;
- Flow control mode: full-duplex adopts IEEE802.3x standard, half-duplex adopts Back pressure standard.

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:

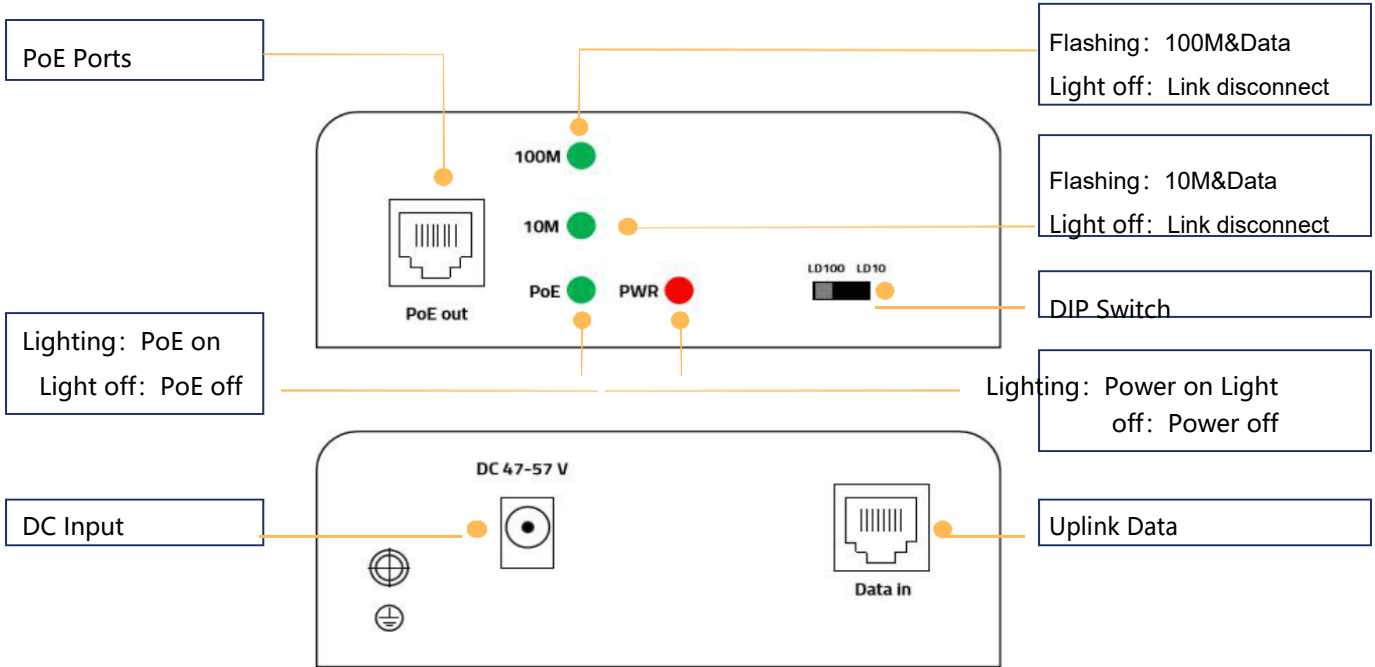
Simultaneous transmission of real-time control signals, images and data

I/O Interface	
Power	DC 44-57V
Ethernet	1*10/100Mbps PD Ethernet Port 1*10/100Mbps PoE Port
Standard	
Network protocol	IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX/FX) IEEE802.3x (Flow control)
PoE protocol	IEEE802.3af (15.4 W) IEEE802.3at (25.4 W)
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD)、EN61000-4-4 (EFT) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Network Medium	10Base-T : Cat5e or above UTP(≤800m) 100Base-TX : Cat5e or above UTP(≤500m)
Certification	
Safety Certificate	CE、FCC、RoHS,KC
Environment	
Working Environment	Working Temperature: -10~50°C Storage Temperature: -40~70°C Working Humidity : 10%~90%, non-condensing Storage Temperature: 5%~90%, non-condensing Working Height: Maximum 10,000 feet Storage height: Maximum 10,000 feet
Indication	
DIP Switch	LD100: The port rate is 100M adaptive, and the transmission distance can be up to 500 meters; LD10: The port rate is forced to 10M, long-distance mode, the transmission distance can be up to 800 meters.
LED Indicators	PWR、PoE、Link、100M

Mechanical	
Structure Size	Product Size: 95*95*28mm Package Size: 175*120*63mm Product Net-Weight: 0.2kg Product Gross-Weight: 0.3kg
Packing Info	MEAS: 505*320*400mm Packing Qty: 40 PCS Packing weight: 13 KG
Power Voltage	Input Voltage: DC 44-57 V
Package List	PoE Extender * 1 pcs User Manual * 1 pcs Warranty Card * 1 pcs Power Adapter * 1pcs (optional)

Ordering Info	
SL-POE500EX	800 Meters PoE Long-distance Ethernet PoE Extender(아답터 미포함)
SL-POE500EX_PWR	800 Meters PoE Long-distance Ethernet PoE Extender(아답터 포함)

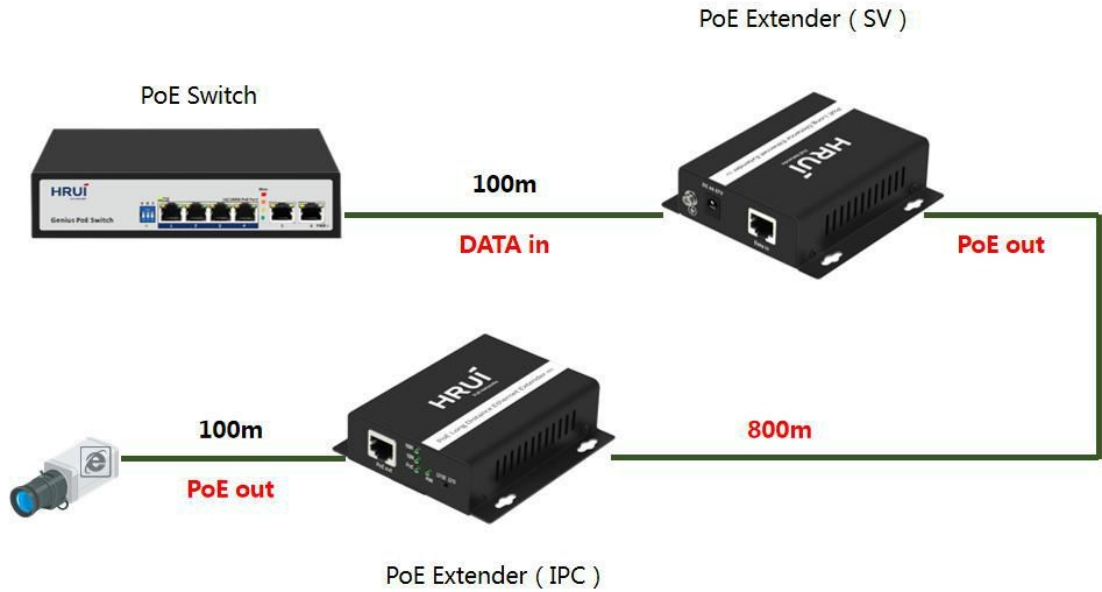
Panel description



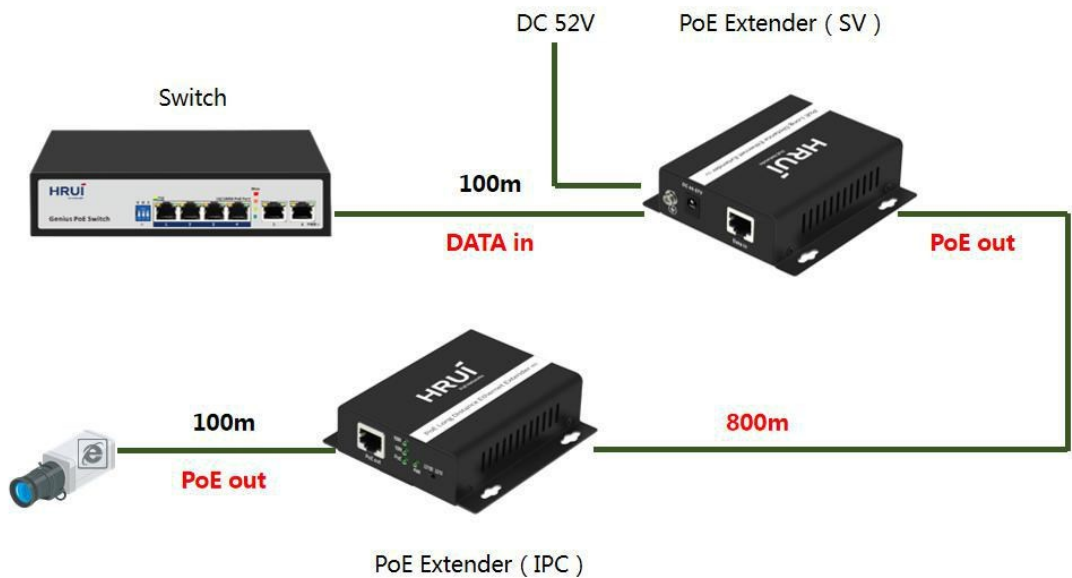
DATA SHEET

Application

1000 Meters PoE Power Supply Solution



1000 Meters PoE Power Supply Solution (External power)



Data sheet