IP CABLING TRANSMISSION – POE Repeater

ITEM NO.: IP04X90 Ultra High Power 90W POE Repeater

IP04X90 is a POE repeater with ultra high power 90W to extend power and data an additional 100meters.   Multiple units are allowed for high power POE camera and longer distance application to eliminating the need for additional switches, hubs and expensive fiber installations. It compliant with standard POE IEEE802.3af, IEEE802.3at, PoE, PoE+, LTPoE++

IP04X90   Ultra High Power 90W POE Repeater

- Extend of both power and data beyond 100 meters.
- Allow to use multiple repeaters for longer range.
- No external power required.
- Compatible with IEEE802.3af, IEEE802.3at,PoE+, LTPoE++
- Auto-sensing for detecting PoE or non-PoE devices.
- Support 10/100/1000Mbps transmission rate.
- Built in LED status indication.
- Perfect for long range outdoor POE camera use.
- Plug and play for easy installation.
- Allow to connect external power adapter when IP04X90 power is insufficient for multiple POE repeaters or long cable length application.
- Optional models:
  Ultra High Power 90W PoE Injector: IP06I90
  Ultra High Power 60W PoE Splitter: P06S60-12, IP06S60-24
  DC56V 70W power adapter : SWP551260
  DC56V 120W power adapter: SWP562100-S

Installation View:

Allow to connect external power adapter when IP04X90 power is insufficient for multiple POE repeaters or long cable length application.
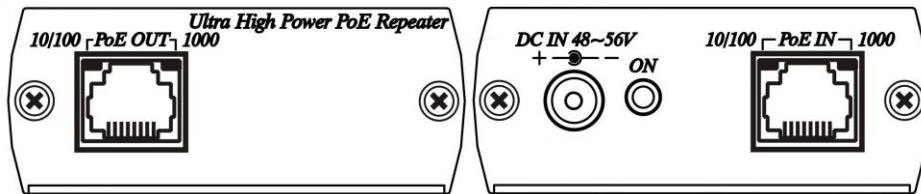
IP04X90 Power Output：

Cable	Distance(M)	POE	Quantity	Power Adapter
CAT.5e	200	53W	IP04X90 *1pc	56V 70W
CAT.5e	300	40W	IP04X90 *2pcs	56V 70W

IP06S60-12 DC12V Power Output：

Cable	Distance(M)	POE	Quantity	Power Adapter
CAT.5e	200	45W	IP04X90 *1pc	56V 70W
CAT.5e	300	34W	IP04X90 *2pcs	56V 70W

Panel View:

Linking Cable：

Recommend to use high quality CAT.5e, CAT.6, CAT6a UTP cable & connectors to achieve stable transmission quality.
To use low quality cable, connectors and inappropriate crimping may cause unstable connection.

LED Indication：

LED (Green)	ON	PSE send power
	OFF	PSE non-power
RJ45 (Yellow)	ON	1000 Mbps link
	OFF	1000 Mbps unlink
	FLASH	Activity
RJ45 (Green)	ON	10/100 Mbps link
	OFF	10/100 Mbps unlink
	FLASH	Activity

RJ45 Connector:
POE IN: Connect to IP06I90 POE injector or other POE switch.
POE OUT: Connect to IP06S60 POE splitter or other POE devices.

DC Jack Connector:

Allow to connect external power adapter when IP04X90 power is insufficient for multiple POE repeaters or long cable length application.

Recommend power adapter as below:
     Model no: SWP551260   DC56V 70W power adapter
     Model no: SWP562100-S DC56V 120W power adapter

Caution:
- Recommend to use in surroundings with good ventilation.
- Recommend to use high quality CAT.5e, CAT.6, CAT6a UTP cable & connectors to achieve stable transmission quality.
- The transmission quality will be influenced by linking cable quality & length.
- IP04X90 comes with DC Jack interface for external power adapter.
- For external power adapter recommend to use DC56V is more effective and preferable.

Compatible POE Standard:

Standard	PSE Output Power	PD Usable Power
PoE	13W	11.25W
PoE+	25W	22W
LTPoE++	38.7W	32.9W
	52.7W	44.8W
	70W	60.8W
	90W	76.8W

IP04X90 Package Include:

IP04X90 x 1 piece
Mounting Screw pack x 1 bag
Rubber Pad x 1 bag

Recommend External power adapters:
DC56V 70W power adapter: SWP551260
DC56V 120W power adapter: SWP562100-S

Specification:

ITEM NO.	IP04X90
Power & Data Input/Output	RJ-45
PoE	IEEE 802.3af 13W、at 25.5W、LTPoE++ 38.7、52.7、70、90W
Data Link	Pin 1/2，3/6，4/5，7/8
Power Link	Pin1/2(+)，4/5(+)、3/6(-)，7/8(-)
Power Input	RJ45 DC 48V ~ 58V (PoE) or external power adapter: DC JACK DC 48~58V
Power Output	RJ45 DC 48 ~ 56V
Link Speed	10M / 100M / 1000 Mbps
Transmission Range	100 M
Power Consumption	1.4W 10Mbps, 2.6W 100/1000Mbps
LED Indication	Power: Green, Data link: Yellow/Green
Temperature	Operation：0 ~ 70℃, Storage:-20 ~ 85℃, Humidity: up to 95%
Dimensions mm	67 × 110 × 27 mm

Weight	g	175 g

RoHS CE FC C