

### IP and POE over Coax Module(Pair)



#### IPPOECOAX-KIT

100 Meters Bandwidth	400 Meters Cat5/5e/6	500 Meters Coax	30W PoE/PoE+	Point-to-Point	MIT
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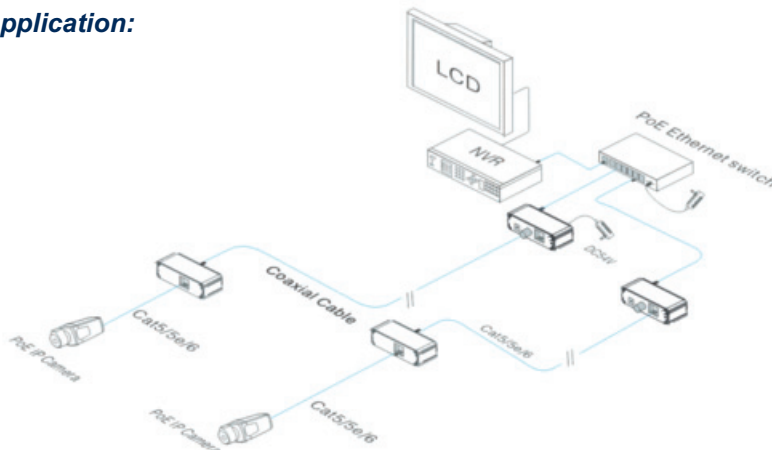
#### IPPOECOAX-KIT includes:

- 1 set of Transmitter (SV) & Receiver (IPC)
- 2 sets of Mounting Brackets
- Installation Manual

#### Features:

- IPPOECOAX-KIT consists of two parts: Transmitter (SV) and Receiver (IPC)
- SV has one 48-57V DC port, one PoE input port and two output ports: BNC and RJ45
- Adopt advanced transmission technology to transmit via
  - EPOE Coax up to 500m/1640ft
  - EPOE Ethernet Cable up to 400m/1312ft
- Ethernet delay less than 1ms; point to point
- Standard: IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3af/a
- Protection: excellent circuit isolation protection, anti-static and anti-interference
- Meets MIT rack installation standard
- Working temperature: 0°C ~ 55°C / 32°F ~ 131°F
- Installation: Plug-and-play, no setting required

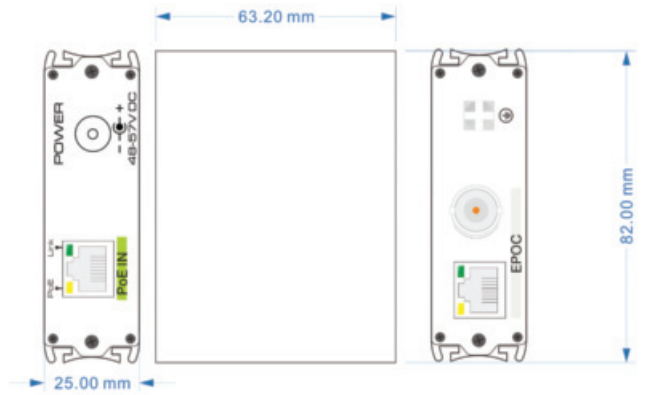
#### Application:



## Technical Specifications:

Model	IPPOECOAX-KIT	
Model	Power Supply	PoE power supply or power adapter supply
	Voltage Range	DC 48V~57V
	Consumption	<2W
Ethernet Port Parameter	Ethernet Port	EPOC: 0-100Mbps Ethernet port:10/100Mbps Transmission bandwidth changes with transmission distance, please refer to table1
	Transmission Distance	EPOE Coaxial cable: 0-500m (0-1640ft) EPOEC Ethernet cable: 0-400m (0-1312ft)
	Transmission Medium	75-5 or above coaxial cable and Cat5e/6 cable
	PoE Agreement	Support IEEE802.3af, IEEE802.3at
	PoE Power Supply	Support End-span and Mid-span
Ethernet Exchange	Ethernet Standard	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX
	Ethernet Delay	<1ms
Status	Indicator LED	PoE IN/OUT Port: One indicates PoE power supply or DC power status(RJ45 yellow), one indicates Ethernet signal transmission(RJ45 green)
Protection Level	ESD	1a Contact Discharge level 3 1b Air Discharge level 3 Per: IEC61000-4-2
	Communicating Port Anti-thunder Protection	Per: IEC61000-4-5 level 3
Environment	Working Temperature	0°C ~ 55°C / 32°F ~ 131°F
	Storage Temperature	-40°C ~ 85°C / -40°F ~ 185°F
	Humidity (Non-condensation)	0% - 95%
Mechanical	Dimension(L×W×H)	63.2mm x 82mm x 25mm / 2.49" x 3.22" x 0.98"
	Material	Aluminum
	Color	Black
	Weight	IPC:153g; SV:154g / IPC:0.34lb; SV:0.34lb

## Physical Features:



## Board Diagram:

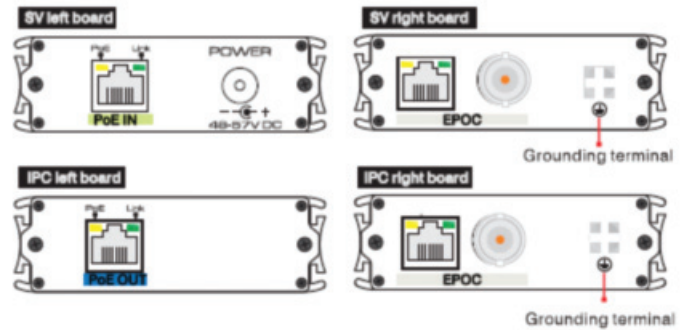
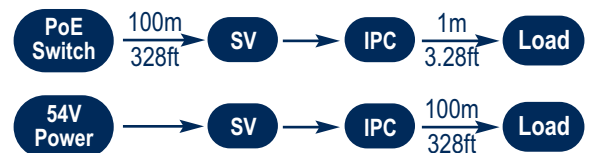


Table 1:

Power Supply		PoE Ethernet Power Supply		54V DC Power Supply	
SV< -> IPC Cable		75-5	CAT5E	75-5	CAT5E
100m	Bandwidth(Mbps)	92.6	91.2	92.6	91.2
328ft	Load Capacity(W)	16.1	17.2	23	23
200m	Bandwidth(Mbps)	91	84.2	91	84.2
656ft	Load Capacity(W)	10	12	17	22
300m	Bandwidth(Mbps)	90.8	74.5	90.8	74.5
984ft	Load Capacity(W)	8	9.1	12	16
400m	Bandwidth(Mbps)	90.5	55.7	90.5	55.7
1312ft	Load Capacity(W)	5	6.5	10	12
500m	Bandwidth(Mbps)	83.7	/	83.7	/
1640ft	Load Capacity(W)	4.5	/	8	/

Picture 1:



**Instruction:** Test data in table 1 is required under a lab environment by the test method in picture 1. In actual case, there maybe some differences due to different cables and environments.

All product specifications on this brochure are subject to change without notice.

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