

MultiCo EW-PEXSG-AT

- 1-Port PoE IN and 1-Port PoE Out
- Extending distance for another 100M per extender and cascading for longer distances
- IEEE 802.3at compliance
- Support IEEE 802.3az EEE

Gigabit PoE Extender



Introduction

EW-PEXSG-AT is a 2 port Gigabit PoE extender designed for extending connection distance for another 100m (328 ft) on both ends via Cat-5e or Cat-6 cable. You can cover longer distances by cascading multiple EW-PEXSG-ATs together on a network. EW-PEXSG-AT does not need any additional power supply and the PoE device (such as an IP camera) is powered by PoE switch or PoE injector.

IEEE 802.3at and Power over Ethernet (PoE) ports

EW-PEXSG-AT features IEEE 802.3at Power over Ethernet (PoE). This product runs over existing LAN cable to power IEEE 802.3at compliant network accessories. It also features PoE awareness to verify whether the network device receive power is IEEE 802.3at compliant, or only the data will be sent through LAN cable. By adding EW-PEXSG-AT to the existing networking, the installed networking products, such as:

Access Points and IP cameras can be easily managed and set up. Wireless device deployments are easily located or the networking can be extending distance for another 100M per extender and cascading for longer distances.

No Special Networking Cable Required

By adding PoE devices, you can use an existing standard Cat-5e or Cat-6 Ethernet cable without a new electrical outlet for both power and data. It helps you reduce installation time and cost.

Product Specification

Interface	
10/100/1000M PoE/Data-in RJ45 Port	1
10/100/1000M PoE/Data-out RJ45 Port	1
Mechanical	
Power Input	Powered by PSE with IEEE 802.3af/at PoE/PoE+
Supporting PSE Mode	Mode A & Mode B
Max. System Power Consumption	2W
LED	Per Port: PoE/Data
Operating Temperature	-5~50°C
Operating Humidity	5~90% (non-condensing)
Dimension (H*W*D)	20 x 32 x 123 mm
Weight	105g
Mounting	Wall Mount
Certification	EMC, FCC, VCCI Class A
Standard	
IEEE 802.3 – 10BaseT	•
IEEE 802.3u - 100BaseTX	•
IEEE 802.3ab - 1000BaseT	•
IEEE 802.3af PoE	•
IEEE 802.3at PoE+	•
IEEE 802.3x - Flow Control	•
IEEE 802.3az – EEE	•

PoE Power Available with Multiple EW-PEXSG-ATs

PoE Source	Number of EW-PEXSG-AT	Distance (m)	PD Current (A)	PD voltage (V)	PD Max power (W)
802.3at PoE switch	1	200	0.58	42.4	24.592
	2	300	0.53	38	17.9
	3	400	0.48	33.7	16.176
	4	500	0.4	31.4	12.56
	5	600	0.28	30.8	8.624

* All the values listed here are the MAX.value from tests based on a PoE switch with 56Voutput performed in an ideal lab environment. The actual value may be different due to network environments and the quality of your cable.