ZyXEL

- **IEEE 802.3af and IEEE 802.3at Power over Ethernet (PoE) standards compliant**
- **Install anywhere taking advantage of PoE technology**
- **Superior safety with overloading and short-circuit protection**

Empower Easy Power over Ethernet Connectivity

The ZyXEL PoE12 Series is a PoE injector designed to support the increasing power demands of the latest-generation N wireless Access Points (APs) as well as the pan, tilt or zoom functions of IP surveillance cameras. The PoE12 Series consists of two models: PoE-12 and PoE12-HP. The PoE-12 and PoE12-HP are single-port PoE injectors that deliver both power and data to other PoE devices via a single CAT-5 Ethernet cable without extra power supply. The PoE-12 enables 100 Mbps data transmissions and provides power up to 15.4 W, while the PoE12-HP allows data transmitted at 1000 Mbps and delivers power up to 30 W.

Benefits

Industry standard compliance and investment protection

PoE is a standard-based technology that specifies how power is distributed along with data on standard Ethernet LAN cables. The standard specifies IEEE 802.3af providing up to 15.4 W of power per device and IEEE 802.3at providing up to 30 W per device. Complying with the IEEE 802.3af and IEEE 802.3at standards, the ZyXEL PoE12 Series offers interoperability and compatibility with other standard-based PoE devices.

Trouble-free installation

With PoE technology, the PoE12 Series enables users to place devices such as wireless LAN APs, IP surveillance cameras and IP phones exactly where they are needed. Since the devices are directly powered through Ethernet cables, there is no need to have separate power supplies or to have costly electrical engineers putting AC power sockets on ceilings or roof spaces.

Plug and Play—ease of use

The PoE12 Series is easy to use and needs no configuration. Since only simple inbound and outbound cable plugs are required, the installation is very straightforward and can be performed by users having no electrical wiring experience without spending extra cost.

PoE12 Series
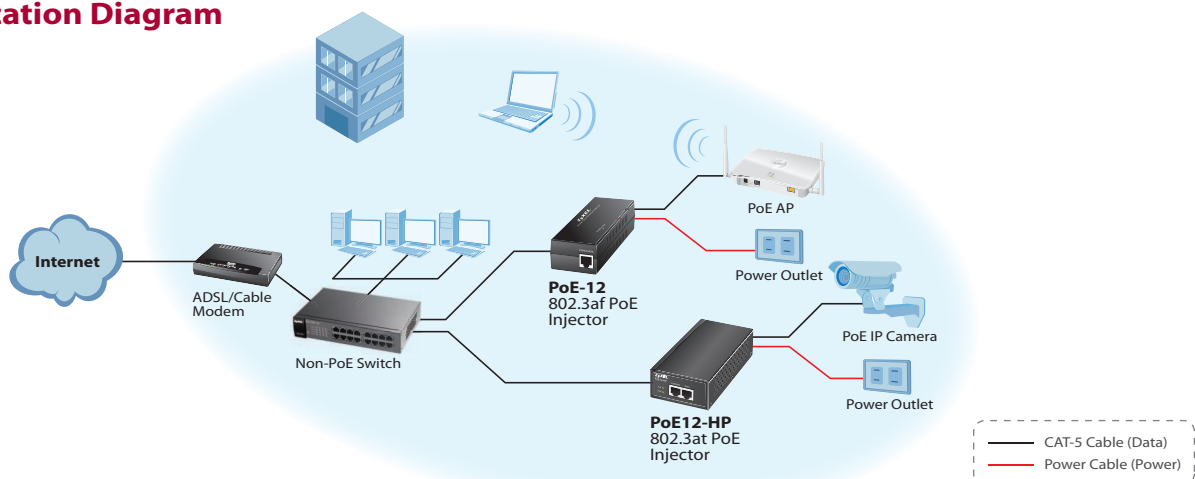## 802.3af/802.3at PoE Injector

Specifications

Model	PoE-12	PoE12-HP
Product Name	802.3af PoE Injector	802.3at PoE Injector
Ports		
10/100Base-T (Data)*1	1	-
10/100Base-T (Power/Data)*2	1	-
10/100/1000Base-T (Data)*1	-	1
10/100/1000Base-T (Power/Data)*2	-	1
Standard Compliance		
Ethernet	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-Tx Ethernet	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-Tx Ethernet IEEE 802.3ab 1000Base-T
PoE	IEEE 802.3af Power over Ethernet	IEEE 802.3at Power over Ethernet
Certification		
Safety	UL 60950-1 EU RoHS Compliant	EN 60950-1 EU RoHS Compliant
Emission (EMC)	FCC Part15 (Class B) CE EMC (Class B)	FCC Part15 (Class B) CE EMC (Class B)
Power Requirement		
Input voltage	100 - 240 V AC, 50/60 Hz, 0.3 A	100 - 240 V AC, 50/60 Hz, 1.5 A max
Power consumption (Watt)	17.3	42.1
Physical Specifications		
Item dimensions (WxDxH)(mm/in.)	117 x 60 x 35/4.61 x 2.36 x 1.38	155 x 74 x 36/6.10 x 2.91 x 1.42
Item weight (g/lb.)	177/0.26	396/0.87
Packing dimensions (WxDxH)(mm/in.)	201 x 133 x 54/7.91 x 5.24 x 2.13	202 x 155 x 69/7.95 x 6.10 x 2.72
Packing weight (g/lb.)	500/1.10	780/1.72
Environmental Specifications		
Operating temperature	5°C to 45°C/41°F to 113°F	0°C to 50°C/32°F to 122°F
Operating humidity	10% to 90% (Non-condensing)	10% to 95% (Non-condensing)
Storage temperature	-20°C to 55°C/-4°F to 131°F	-40°C to 70°C/-40°F to 158°F
Storage humidity	5% to 95% (Non-condensing)	5% to 95% (Non-condensing)

Note: *1: 10/100 or 10/100/1000Base-T (Data), for connection to the passive hub or switch
*2: 10/100 or 10/100/1000Base-T (Power/Data), for connection to the PoE devices (PD)

Application Diagram

For more product information, visit us on the web at www.ZyXEL.com

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