



## PoE12-30W / PoE12-60W

### 2.5G PoE+ Injector / 5G PoE++ Injector

As demands for connection from networking devices such as IP phones, IP cameras and access points increase, deployment complexity and cost rise as well. For less cable usage and investment, Power over Ethernet (PoE) technology provides both data connection and electrical power to devices through just one cable without power-socket restriction. Featured with the benefits of PoE technology, Zyxel's PoE Injectors, PoE12-30W and PoE12-60W, all provide super-fast LAN connectivity with high-power budget; easily connect to PoE devices over Cat 5e or above cable. PoE12-30W and PoE12-60W support PoE+ and PoE++ standards respectively, both ensure interoperability with other standard-based PoE-capable devices.

### Benefits

#### Higher network speed boosts network performance

PoE12-30W and PoE12-60W are here to meet the increasing demand of connection for high-speed networking devices such as WiFi 6 AP, surveillance PTZ camera or advanced POS terminals. PoE12-30W is equipped with 100M/1G/2.5G RJ-45 ports providing network speeds of up to 2.5Gbps, and PoE12-60W is equipped with 1G/2.5G/5G RJ-45 ports providing network speeds of up to 5Gbps. Both models can connect Multi-Gigabit devices using existing Cat 5e cable without extra re-cabling cost.



PoE12-30W:  
2.5G data / PoE+ ports  
PoE12-60W:  
5G data / PoE++ ports



PoE12-30W:  
30W power budget  
PoE12-60W:  
60W power budget



PoE12-30W:  
Complies with IEEE802.3at  
PoE+ standard  
PoE12-60W:  
Complies with IEEE802.3bt  
PoE++ 60W standard



Easy plug-and-play desktop  
or wall-mounted installation

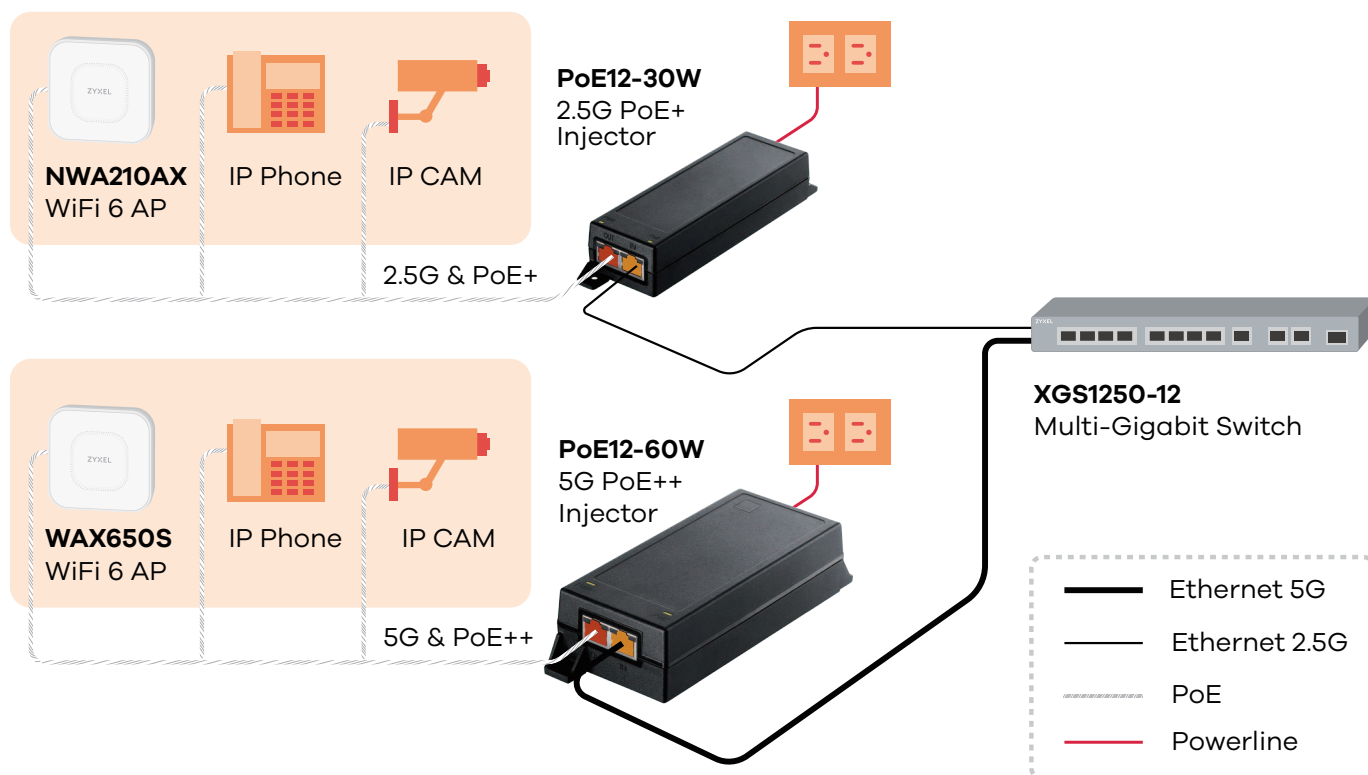
## Larger power budget powers more PD devices

PoE12-30W complies with IEEE802.3at PoE+ standard and PoE12-60W complies with IEEE802.3bt PoE++ standard to provide PoE power budget up to 30W and 60W, respectively. Both models ensure interoperability and compatibility with other standard-based PoE-capable devices. They ease the installation for wireless LAN expansion by offering an alternative to external DC power to Access Points while the network only deployed non-PoE Ethernet Switches.

## Easy to use

Installation is incredibly easy, simply connect the Injector to an Ethernet Switch and to the designated PoE device to provide proper power and data traffic for the entire network. The compact and lightweight design is easy to install and facilitates deployment of PoE devices where power outlets are not available.

## Application Diagram



## Specifications

| Model                                      |                            | PoE12-30W                                                                                                                                               | PoE12-60W                                                                                                                                                  |
|--------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name                               |                            | 2.5G PoE+ Injector                                                                                                                                      | 5G PoE++ Injector                                                                                                                                          |
|                                            |                            |                                                                        |                                                                         |
| Port Density                               |                            |                                                                                                                                                         |                                                                                                                                                            |
| Total port count                           |                            | 2                                                                                                                                                       | 2                                                                                                                                                          |
| 100/1000/2500 Mbps (Data)                  |                            | 1                                                                                                                                                       | -                                                                                                                                                          |
| 100/1000/2500 Mbps (Power/Data)            |                            | 1                                                                                                                                                       | -                                                                                                                                                          |
| 100/1000/2500/5000 Mbps (Data)             |                            | -                                                                                                                                                       | 1                                                                                                                                                          |
| 100/1000/2500/5000 Mbps (Power/Data)       |                            | -                                                                                                                                                       | 1                                                                                                                                                          |
| PoE                                        |                            |                                                                                                                                                         |                                                                                                                                                            |
| Total PoE budget (watts)                   |                            | 30                                                                                                                                                      | 60                                                                                                                                                         |
| PoE Standard                               |                            | 802.3at PoE+                                                                                                                                            | 802.3bt PoE++                                                                                                                                              |
| Ethernet Standard                          |                            | <ul style="list-style-type: none"> <li>• IEEE 802.3u 100BASEX Ethernet</li> <li>• IEEE 802.3ab 1000BASE-T</li> <li>• IEEE 802.3bz 2.5GBASE-T</li> </ul> | <ul style="list-style-type: none"> <li>• IEEE 802.3u 100BASEX Ethernet</li> <li>• IEEE 802.3ab 1000BASE-T</li> <li>• IEEE 802.3bz 2.5G/5GBASE-T</li> </ul> |
| Power                                      |                            |                                                                                                                                                         |                                                                                                                                                            |
| Input                                      |                            | 100 - 240 V 1.0A, 50/60 Hz                                                                                                                              | 100 - 240 V 2.0A, 50/60 Hz                                                                                                                                 |
| Max. power consumption (without PD, watts) |                            | 0.07                                                                                                                                                    | 0.126                                                                                                                                                      |
| Physical Specifications                    |                            |                                                                                                                                                         |                                                                                                                                                            |
| Item                                       | Dimensions (WxDxH)(mm/in.) | 140 x 45.5 x 30/<br>5.51 x 1.79 x 1.18                                                                                                                  | 140 x 65 x 38.5/<br>5.51 x 2.56 x 1.52                                                                                                                     |
|                                            | Weight (g/lb.)             | 144/0.32                                                                                                                                                | 278/0.61                                                                                                                                                   |
| Packing                                    | Dimensions (WxDxH)(mm/in.) | 171 x 121 x 42/<br>6.73 x 4.76 x 1.65                                                                                                                   | 168 x 142 x 47/<br>6.61 x 5.59 x 1.85                                                                                                                      |
|                                            | Weight (g/lb.)             | 918/2.02                                                                                                                                                | 1120/2.47                                                                                                                                                  |
| Included accessories                       |                            | Power cord                                                                                                                                              | Power cord                                                                                                                                                 |
| Environmental Specifications               |                            |                                                                                                                                                         |                                                                                                                                                            |
| Operating                                  | Temperature                | -10°C to 45°C/14°F to 113°F                                                                                                                             | -10°C to 40°C/14°F to 104°F                                                                                                                                |
|                                            | Humidity                   | 5% to 90% (non-condensing)                                                                                                                              | 5% to 90% (non-condensing)                                                                                                                                 |
| Storage                                    | Temperature                | -25°C to 70°C/-13°F to 158°F                                                                                                                            | -25°C to 65°C/-13°F to 149°F                                                                                                                               |
|                                            | Humidity                   | 5% to 90% (non-condensing)                                                                                                                              | 5% to 90% (non-condensing)                                                                                                                                 |

For more product information, visit us on the web at [www.zyxel.com](http://www.zyxel.com)

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21/05/21