

## 3 Ports Gigabit PoE Ethernet Extender FR-S1003PEG-D



### Characteristic:

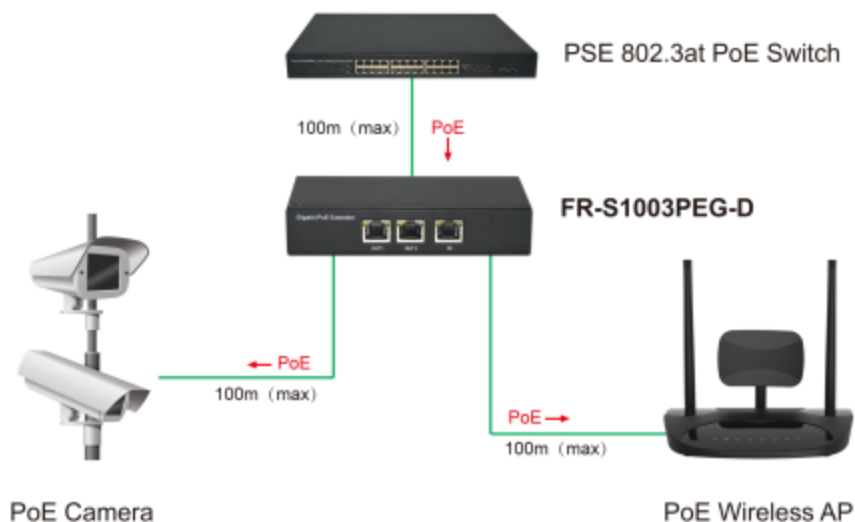
- IEEE802.3at power over ethernet compliant
- Three PoE Ports ,one PD port(In), two PSE ports(Out1/Out2)
- Complies with IEEE802.3i/802.3u/802.3ab 10/100/1000Base-T
- Easy cabling installation Plug and play

### Description

FR-S1003PEG-D is a IEEE802.3 at standard 3 ports Gigabit PoE Ethernet extender ; Load capacity up to 100 meters,one single FR-S1003PEG-D can increase the PoE range to 200m.It offers you great flexibility to extend the distance of PoE network to triple,Which can supported networking devices such as PoE IP cameras,PoE wireless access points and PoE IP phones ect.

The FR-S1003PEG-D gigabit high power PoE extender is quite easy to be installed by simple plug and play .it is used between a power source equipment (PSE) and the power device (PD),It is designed in a compact box containing 3 RJ-45 ports:one PD port(In), two PSE ports(Out1/Out2).

### The application of topology



● **Switching Capacity 6Gbps**

**FR-S1003PEG-D**

**I Features**

- IEEE802.3at power over ethernet compliant
- Extends the range of PoE to more than 100 meters
- No extender power cable installation required
- Complies with IEEE802.3i/802.3u/802.3ab
- Support ports Auto Negotiation and Auto MDI/MDIX
- 2K entry MAC address table with auto-learning and auto-aging
- LED indicators at RJ-45 for monitoring PoE / Link / Activity
- Plug and play

**I Specification**

|                                     |   |
|-------------------------------------|---|
| <b>Model Name</b>                   | FR-S1003PEG-D   |
| <b>Chipset</b>                      | RTL8367N-VB+PD69104B+TPS2378  |
| <b>Standards and Protocols</b>      | IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3at,IEEE802.3af,IEEE 802.3x   |
| <b>Interface</b>                    | 3*10/100/1000Mbps BASE-T(Auto Negotiation/Auto MDI/MDIX)  |
| <b>Network Media</b>                | 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)<br>100BASE-TX/1000BASE-T: UTP category 5, 5e or above cable (maximum 100m)<br>1000BASE-X: UTP category 5e,6 cable(maximum 100m) |
| <b>Transfer Method</b>              | Store-and-Forward   |
| <b>MAC Address Table</b>            | 2K  |
| <b>Switching Capacity</b>           | 6Gbps   |
| <b>Packet Forwarding Rate</b>       | 4.464Mpps   |
| <b>Packet Buffer</b>                | 1.5Mbits  |
| <b>Jumbo Frame</b>                  | 9216 Bytes  |
| <b>PoE Ports(RJ45)</b>              | 3* PoE ports compliant with 802.3at   |
| <b>Power Pin Assignment</b>         | 1/2(+),3/6(-)   |
| <b>PoE Budget</b>                   | 27W(max.)   |
| <b>Indicators</b>   <b>Per Port</b> | Link/Activity(green), PoE(yellow)   |
| <b>Power Supply</b>                 | PoE(52~55VDC)   |
| <b>Power Consumption</b>            | Maximum(PoE on):30W   |
| <b>Dimensions (W x D x H)</b>       | 140*77*28 mm  |
| <b>Environment</b>                  | Operating Temperature: 0°C~45°C<br>Storage Temperature:-40°C~70°C<br>Operating Humidity:10%~90% non-condensing<br>Storage Humidity:5%~90% non-condensing                            |