

# RB-FES1602G-POE

Unmanaged 16 port Fast Ethernet Switch with 2 Gigabit uplink ports and PoE Injector

## Features

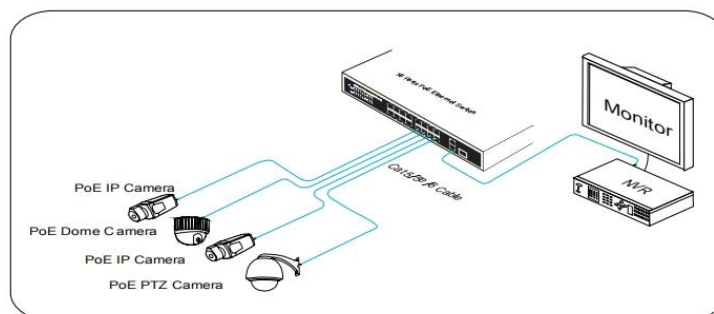
- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE802.3af, IEEE802.3at standards
- 16 10/100Base-TX ports and 2 10/100/1000 combo (RJ45/SFP) ports
- 16 Fast Ethernet PoE/PoE+ ports with build-in AC (100-240V) power
- High back-plane bandwidth 8.8Gbps
- IEEE802.3x Flow control
- Surge protection for power port and data ports
- 19" rack mountable, 1RU height
- EMI standards compliant with FCC, CE class A



The RB-FES1602G-POE unmanaged switch is designed for residential/commercial building network applications, providing Ethernet access at Fast Ethernet speed and Gigabit Ethernet uplink ports for copper or fiber connectivity. It also provides PoE/PoE+ functions for powering PD devices such as wireless LAN (WAN) access points, IP security cameras, VoIP telephone and other PoE PD devices.

RB-FES1602G-POE is 19" rack mountable occupying 1RU of height in a communications rack. Switch provides 16 10/100Base-TX and 2 10/100/1000 combo (RJ45/SFP) ports. The Fast Ethernet ports have PoE PSE ability, total budget being 250W for externally connected PoE PD enabled devices.

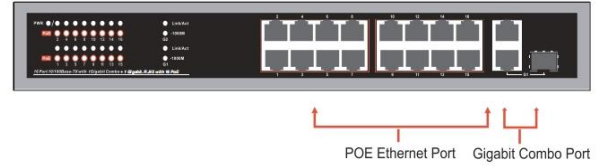
## Application diagram



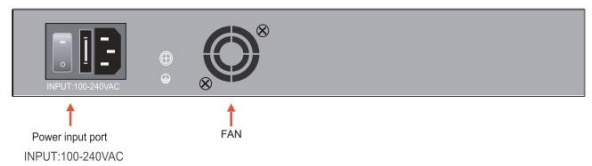
## Specifications

| Characteristic        | Description  |
|-----------------------|--|
| Ports                 | Fixed 16 10/100Base-TX ports with 2 10/100/1000 combo (RJ45/SFP) ports |
| LED Indicators        | PWR, PoE, Link/Act, 1000M speed LED                                    |
| Input voltage         | 100V~240V AC, 50/60Hz  |
| Power consumption     | 270W (250W available for PoE)  |
| Operating temperature | 0°C~45°C   |
| Storage temperature   | -10°C~70°C   |
| Operating humidity    | 10%~90% (non-condensing)   |
| Thermal control       | Built-in noiseless fans  |
| Switching capacity    | 7.2G   |
| MAC address table     | 8K   |
| Traffic control       | IEEE 802.3x full-duplex flow control                                   |
| <b>PoE</b>            |  |
| PoE ports             | 16 10/100Base-TX ports   |
| PoE standard          | IEEE802.3af, IEEE802.3at, per port 30W(max)                            |
| Pin assignment        | V+ (RJ45 Pin 4, 5), V- (RJ45 Pin 7, 8)                                 |

## Front panel



## Back panel



## Ordering Information

|                 |  |
|-----------------|--|
| RB-FES1602G-POE | 16+2G Unmanaged Ethernet Switch with 16 PoE Injector |
|-----------------|--|