

RVi30103

3-Port Drop and Insert 60W PoE Switch

Features

- Provides an easy way to add an IP lamp without requiring new home-run cable
- Each unit extends IP control and PoE for an extra 328 ft. (100m)
- Multiple units can be cascaded to transmit IP Video/Control
- Can be powered by 60W PoE or a local power source
- Provides up to 30W per port
- Automatically senses input data rate
- Provides third port for drop and insert along a single cable run
- Provides full IEEE Network layer 2 switching to avoid transmission conflicts
- No network configuration required
- Eliminates the need for multiple cable runs for perimeter and parking lot applications
- Provides access up to 9 IP addresses eliminating the need for network switches in small systems
- Hardened with wide range operating temperature of -20°C to +60°C



4K
UHD



Applications

- Data and PoE transmission of multiple lamps and cameras on a single cable run
- Parking lots, office building and fence perimeter applications, continuous cable run for lamps and cameras reducing the number of home run cables
- Expanding port count of an existing installed network switch for adding a new lamp

The RVi30103 is a 3-port Layer 2 PoE switch providing drop and insert capability for connecting several IP devices along a single cable run. The RVi30103 provides a cost effective method for increasing distances beyond the standard Ethernet limit of 328 feet (100m).

For small systems the RVi30103's Layer 2 network capability can eliminate the need for network switches saving costs and rack space. It also can significantly decrease network switch costs by increasing the port capacity of the switch. As a mini network switch, the RVi30103 avoids the potentials for transmission collisions by complying with IEEE standards. It is an easy and quick solution to add an extra lamp without requiring to have a new home-run cable.

The RVi30103 can be powered by a 60W PoE source or a local power supply. Additional power up to 60W can be inserted at any point along the cable run where power outlets are available and provide the ability to power IP lamps or cameras up to 30W per port.



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Technical Specification*

Electrical

PoE Rating	Port 1 (PoE In): up to 60W Port 2 & 3 (PoE Out): up to 30W
Network Connection	(3) RJ-45 IEC 60603-7
Bandwidth	10/100Mbps
Wiring Support	Cat 5/5e/6
Power Consumption	1.5W
Supported Distance	328ft (100m) per link
Status LEDs	Port 1: Vi30103 Power (Green), Link/Activity (Orange) Port 2: PoE (Green), Link/Activity (Orange) Port 3: PoE (Green), Link/Activity (Orange)
Data Rate	Auto Configuring, Ports 1, 2 & 3: 10/100Base-TX
Data Interfaces and Complies	RFC 768 UDP, RFC 2068 HTTP
Compliances	RFC 793 TCP, RFC 791 IP RFC 1783 TFTP, RFC 894 IP over Ethernet RFC 2544 TCP/IP Packet Transmission IEEE802.3af, IEEE802.3at, 60W PoE (Input)
IEEE Compliances	802.3ab, 802.3z, 802.3af, 802.3at, 802.1p, 802.1Q, 802.1D, 802.1s, 802.3u, 802.3x, 802.3w
Service Compliance	IPv4 Type of Service (TOS) & Differentiated Services (Diff-Serv) IPv6 Traffic Class

Accessories (Optional)

SGA60U48-P1J, 48Volt, 60Watt plug-in power supply

*Specifications subject to change without notice.

Mechanical

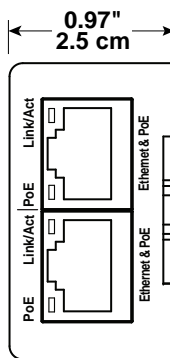
Dimensions	0.97x1.76x2.7 in., 2.5x4.5x6.9 cm (HxWxL)
Weight	0.19 lb, 86 g
Material	Extruded Aluminum

Environmental

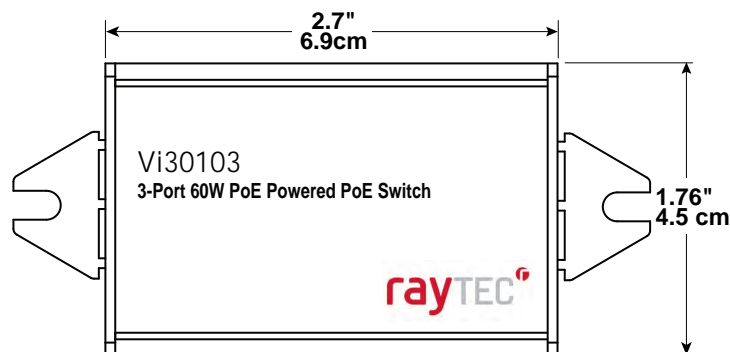
Humidity	0 to 95%, non-condensing
Temperature	Operating: -20°C to +60°C Storage: -40°C to +85°C

Regulatory

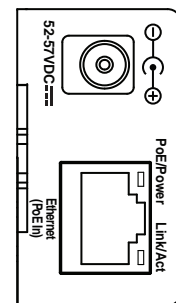
Safety	CE
Environmental	RoHS, WEEE



Right View



Top View



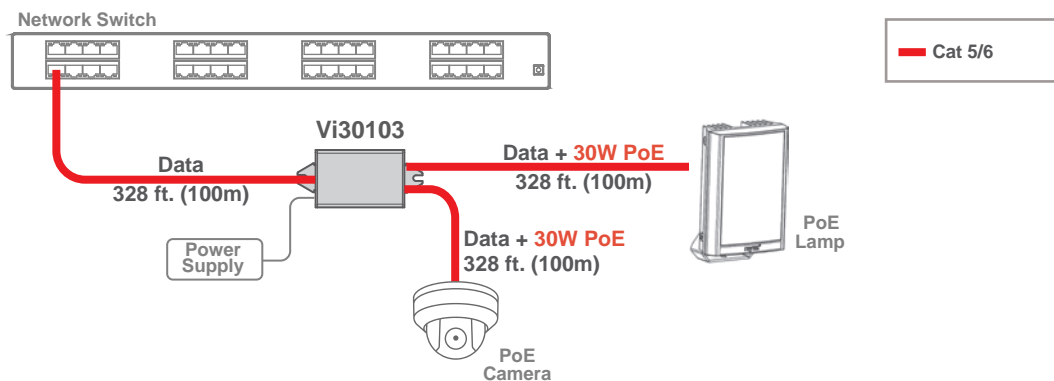
Left View



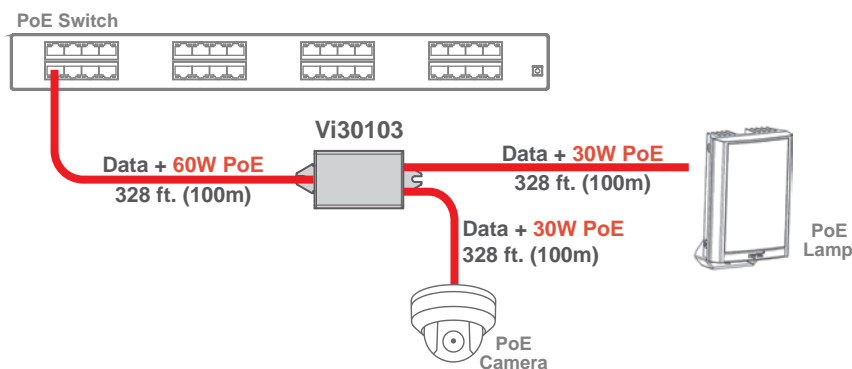
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Application Diagrams



RVi30103 allows for the transmission of lamps or cameras over a single cable run or adding a new lamp close to an existing camera.



RVi30103 allows for the transmission to lamps or cameras over a single cable run or adding a new lamp close to an existing camera. The PoE Midspan provides power to the RVi30103 and both lamp and camera.