

The Fiberroad **EasyPoE Series Unmanaged Essentials PoE Switches** provide a simple, cost-effective solution for expanding small business networks with Power over Ethernet capabilities. These plug-and-play switches feature an integrated internal power supply to simplify installation while ensuring reliable operation. The series offers versatile connectivity options, supporting 10/100M, 10/100/1000M, and 2.5G speeds with full PoE and PoE+ compatibility. Utilizing Fiberroad's unique PoE technology, these switches automatically detect the class of each connected device—such as IP cameras, VoIP phones, and wireless access points—and granularly balance and allocate the precise amount of power needed, delivering both data and power over a single CAT-5e Ethernet cable.



Highlights

Versatile Connectivity: The series offers versatile connectivity options, supporting 10/100M, 10/100/1000M, and 2.5G speeds (depending on the specific model) with full 802.3af and 802.3at PoE and PoE+ compatibility.

Intelligent Power Allocation: Utilizing Fiberroad's unique PoE technology, these switches automatically detect and deliver the precise amount of power needed to devices like IP cameras, VoIP phones, and wireless access points, all over a single CAT-5e Ethernet cable.

Designed for Durability: Housed in a durable and rugged metal case with a fanless design for silent operation.

Flexible Deployment: Suitable for desktop, wall-mount, or rack-mount installations (depending on the specific model) and includes LED indicators for ease of use.

Energy-Efficient: Incorporates energy-efficient technology for power savings, ensuring interoperability with any standards-based devices in your existing network.

Specifications

				
Features	FR-5N1006P	FR-5N1010F	FR-5N2010P	FR-5N2110P
10/100M RJ45	6	10	8	8
10/100/1000M RJ45	\	\	2	2
1000M SFP Slot	\	\	\	1

Installation Desktop or Wall Mount

Power Supply and PoE Configuration

Power Input	1			
Power Connector	C14 Terminal			
Operating Voltage	Internal Power Supply, Input Voltage: AC110-240V 50/60Hz, Power Supply: 52V±5%			
Power Consumption	65W(MAX)	130W(MAX)	130W(MAX)	130W(MAX)
PoE Standard	4 (IEEE802.3 af/at)	8 (IEEE802.3 af)	8 (IEEE802.3 af/at)	8 (IEEE802.3 af/at)
Max Power Per Port	30W	15W	30W	30W
Total PoE Power Budget	60W	120W	120W	120W
Power Supply Pin	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
PoE Power Supply Typ.	End-span	End-span	End-span	End-span
PoE Extend	Yes (150m MAX)	Yes (150m MAX)	Yes (150m MAX)	No

Performance Specification

Switch Architecture	Store-and-Forward			
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
Half/Full Duplex	Yes	Yes	Yes	Yes

Environmental Specifications

Operating Temp.	0° to 40°C (32° to 104°F)			
Humidity	90% maximum relative humidity(RH), non-condensing			
Altitude	10,000 ft(3,000m) maximum			
Storage Temp.	-20°C to 70°C (-4° to 158°F)			

Physical Specifications

Dimensions(L x W x H)	125 x 115 x 33 mm (4.9 x 4.5 x 1.3 in)	200 x 118 x 44 mm (7.9 x 4.6 x 1.7 in)		
Weight	0.6kg (0.88 lb)	0.7 kg (1.54 lb)	0.7 kg (1.54 lb)	0.7 kg (1.54 lb)
FAN/Fanless	Fanless	Fanless	Fanless	Fanless

LEDs

PWR	ON: Power is being supplied ,OFF: Power is not being supplied
RJ45 Ports	ON: Port connection is active, Blinking: Data transmitted, OFF: Port connection is not active
SFP Ports	ON: Port connection is active, Blinking: Data transmitted, OFF: Port connection is not active

Regulatory & Warranty

Standard Compliance	IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3i 10BASE-T Ethernet
Warranty	1 Year

Package Contents

Device	1 x PoE Switch
Installation Kit	1 x AC Power Cord
Documentation	1 x Installation Guide

Shipping

Model No.:	FR-5N1006P	FR-5N1010F	FR-5N2010P	FR-5N2110P
Classification Code	HS Code: 851762 HTS Code: 8517.62.00			
NDA Compliant	Yes			
Individual Net Weight	0.6 kg (1.32 lb)	0.7 kg (1.54 lb)	0.7 kg (1.54 lb)	0.7 kg (1.54 lb)
Individual Gross Weight	0.8 kg (1.76 lb)	0.9 kg (1.98 lb)	0.9 kg (1.98 lb)	0.9 kg (1.98 lb)
20-Unit Package G.W.	16 kg (35.27 lb)	18 kg (39.68 lb)	17 kg (39.68 lb)	18 kg (39.68 lb)
30-Unit Package G.W.	24 kg (52.91 lb)	27 kg (59.52 lb)	26 kg (57.32 lb)	26 kg (57.32 lb)
20-Unit Package Dimensions	48 x 37.2 x 38.5 cm (19.3 x 15 x 15.2 in)			
30-Unit Package Dimensions	48 x 37.2 x 58.5 cm (19.3 x 15 x 23 in)			

Ordering Information

Model No.	10/100M RJ45	10/100/1000M RJ45	1000M SFP	PoE Standard	PoE Power Budget	Power Supply
FR-5N1006P	6	\	\	Port 1 to 4 IEEE802.3 af/at	60W	1 x AC220V
FR-5N1010F	10	\	\	Port 1 to 4 IEEE802.3 af/at	60W	1 x AC220V
FR-5N2010P	8	2	\	Port 1 to 8 IEEE802.3 af/at	120W	1 x AC220V
FR-5N2110P	8	2	1	Port 1 to 8 IEEE802.3 af/at	120W	1 x AC220V

NOTE: The Fiberroad EasyPoE Series provides a reliable and simplified Power over Ethernet (PoE) solution, specifically designed for video surveillance access networks. It efficiently powers your IP cameras and transmits video data over a single cable, ensuring a clean and cost-effective installation.

To select the right switch for your needs, it's crucial to consider the bandwidth demands of your cameras:

720p (HD): ~1-2 Mbps per camera.

1080p (Full HD): 2-5 Mbps per camera.

4K (Ultra HD): 15-20 Mbps per camera.

For systems with high bandwidth and performance, such as those using multiple 4K cameras, we recommend our high-performance unmanaged and Layer 2/3 managed PoE switches to ensure optimal network performance and video quality.