



16 Port POE Switch

ZEB **16PM2UG1UF-300**



User Manual

www.zebronics.com

Hello Zeebee! Please read the following instructions carefully in order to use the product optimally.

Note:

- Do not expose the device to steam or dust.
- Do not install the device at position exposed to sunlight or in high temperature.
- Do not directly expose the device to humid environment.
- The device must be installed on solid and flat surface.
- Do not block air vent of the device or ventilation around the device.
- Do not place any object on the sides of the device to avoid ventilation issue.
- Do not disassemble the device.

Features:

- 16 Self Adaptive PoE Ports
- Dual Gigabit Uplink Ports
- 250m Extended Transmission (Max.)
- 300W Output (Max.)
- Upto 30W Per Port
- Full Duplex
- High Data Rate
- Wide Compatibility
- Dynamic Power Control
- Short Circuit Protection
- Anti Interference Capability
- Lightning Protection
- SFP Port

- AI WatchDog
- Mounting Kit

Specifications:

Connector Type : 16 Ports 10/100M PoE + 2 Ports 1000M Ethernet Uplink + 1000M SFP Port

Network Protocols : IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab

PoE Parameters

PoE Standard : IEEE802.3af (15.4W) & IEEE802.3at (30W)

PoE Compatibility : IEEE802.3af/at Self Adaptive Power Pin

Assignment : MODE A [1/2(+), 3/6(-)]

Network Media

10BASE-T : Cat 6 UTP (=<250 Meters)

100BASE-TX : Cat6 UTP (=<100 Meters)

Power Supply

Input : AC100-240V, 50/60Hz

Output : 30W Per Port

Power Budget : 300W

Performance Specification

Bandwidth : 9.2 Gbps

MAC : 8K

Packet Buffer

Memory : 4 Mbits

10M Packet

Forwarding Rate : 14880 pps/port

100M Packet

Forwarding Rate : 148800 pps/port

1000M Packet

Forwarding Rate : 1488000pps/port

LED Indicator

Power (Red) : Lit - Powered,
Unlit - No Power

Ethernet (Green) : Flash - Data Transmit,
Unlit - Disconnect

Working Environment

Operating

Temperature : 10°C ~ 55°C

Storage

Temperature : 20°C ~ 70°C

Operating

Humidity : Max 20 ~ 95%
(Non-Condensation)

Storage

Humidity : Max 20 ~ 95%
(Non-Condensation)

Physical Parameter

Product Dimension

(W x D x H) : 31 x 18.5 x 4.5 cm

Net. Weight : 1.66Kg

Transmission Distance

Data Transmission

Distance : 250m (Max.)

PoE distance upto 250 meters with 10M via Cat.6

Port Surge Protection: 6KV

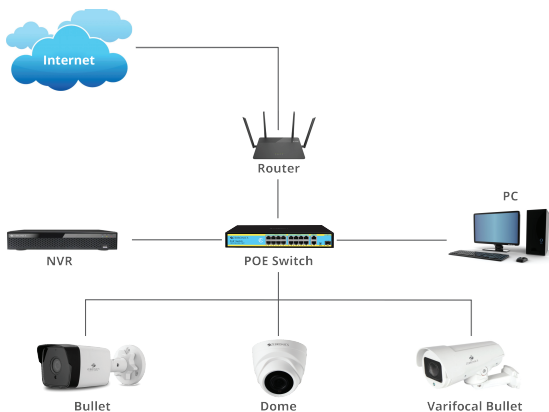
Forwarding Mode : Store and forward

Package Contents:

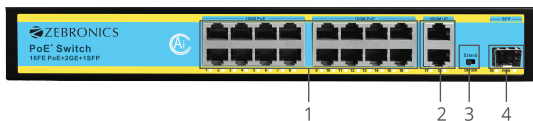
Ethernet Switch	: 1U
Power Cord	: 1U
Mounting Kit	: 1U
QR Code Guide	: 1U

Typical Application & connection setup :

The typical application of the device is shown below.



Front Panel



No.	Name	Description
1	16 Ports 10/100M PoE	16 x 10/100 Mbps self-adaptive RJ45 port
2	2 Ports 1000M Ethernet Uplink	2 x 1000 Mbps self-adaptive uplink port
3	Extend Switch	Transmission mode selection (100 meter POE, Extend 250 meter POE VLAN mode)
4	SFP Port	1 x 1000M SFP Port

Back Panel



No.	Name	Description
1	Power port	Supports AC100-240V, 50/60Hz
2	Ground Terminal	Grounding terminal

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