POE016

16-Port 10/100M with 16 PoE port + 2-port Gigabit Ethernet Switch

IEEE 802.3at PoE, 2SFP open slots, 19" industrial size, internal power supply

MESSOA POE016 is a 16-port 10/100M with 16 PoE port and 2 Combo Gigabit Copper / 2 SFP Rack-mount Gigabit Ethernet Switch. It is designed to operate with MESSOA NVR206-016 16CH Standalone NVR for catering to medium to large scale of IP video surveillance network. Featuring high performance switch architecture and 260-watt PoE power budget, the POE016 makes a perfect solution for integrating network cameras powered by PoE and NVR System to carry out comprehensive security monitoring. The POE016 also include 19" rack-mount brackets, which perfect fit into rack installations. It is an ideal choice to boost your network with better performance and efficiency.

IEEE 802.3at Power over Ethernet (PoE) ports

The device features IEEE 802.3at Power over Ethernet (PoE) ports supplying maximum 500W. This product can convert standard 100~240V/AC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3at compliant network accessories. It also features PoE awareness to verify whether the network device receive power is IEEE 802.3at compliant, or only the data will be sent through LAN cable. Wireless device deployments are easily located with available power outlets and network administrators don't need to use heavy AC power adapters anymore.

2 Combo Gigabit Copper / 2 SFP Open Slots

The device supports 2 combo gigabit copper or 2 SFP open slots to uplink to servers, storage, or other switching devices for long loop reach applications.

Auto-MDI/MDI-X

Every port can automatically detect the type of cable, so there is no need for crossover cables whether the user is connecting this switch to another switch or to a computer.

Auto-Negotiation

Every port can automatically detect if the connected network devices are running at 10Mbps or 100Mbps and Half/Full-Duplex mode, and adjust accordingly.

Non-Blocking

The device receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port simultaneously supports up to 200Mbps of bandwidth in full-duplex mode. This feature provides full wire speed to the connected devices, allowing users to run a smooth network.

Store and Forward

The device can maximize network performance while minimizing the propagation of bad network packets.

Specifications

Port

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.ab 1000BaseT IEEE 802.3z 1000BaseSX/LX IEEE 802.3x Full-duplex and Flow Control IEEE802.3at Power over Ethernet
Number of Ports	16
Fast Ethernet	16-port 10/100 Base-TX, IEEE 802.3at PSE
Gigabit Ethernet	2-port 10/100/1000 Base-T, 2-port gigabit SFP open slots

PoE

Standards	IEEE 802.3at
Max. PoE Output per Port	30W
Total PoE Budget	260W
Overload Protection	Yes

Performance

MAC Address	4K
Buffer Memory	2.75M bits
Transmission Method	Store and Forward
Filtering/Forwarding Rates	10Mbps port - 14,880pps 100Mbps port - 148,800pps 1000Mbps port - 1,488,000pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP 1000BaseT Cat. 5E UTP/STP

Led Indicators

Per Port	Link/Act, PoE Act/Status
Per Unit	Power

Electrical

Power Input	100~240V/AC, 50~60Hz
Power Supply	Internal

Environmental

Operating Temperature	0 to 40°C
Storage Temperature	-20 to 90°C
Humidity	10 to 90% RH (non-condensing)

Mechanical

Dimensions (H x W x D)	440 × 332 × 44mm (1.73" x 10.5" x 6.3")
Weight	4.7kg

Regulatory

Certifications	FCC Class B, CE, RoHS

Ordering Information

Models	POE016-EU-MES POE016-US-MES

Warranty Information

Warranty	1 year

Dimensions

330mm (12.99")

440mm (17.32")

44.3mm (1.74")