POE004

5 Port with 4 Port PoE Fast Ethernet Switch

5-Port 10/100BaseT(X) with 4 PSE, IEEE 802.3at PoE+, external power supply, metal casing, compact form factor

MESSOA POE004 5-port 10/100M with 4 PSE/PoE ports Desktop PoE Fast Ethernet Switch is designed to operate with MESSOA Lite Series NVR203-004 4CH NVR in small network environments to provide reliable network and power connection for IP-based security camera systems. Featuring a small form factor, the POE004 is ideal for small-scale deployment, such as residence, retail, vehicles, or any other confined-space environment.

IEEE 802.3at Power over Ethernet (PoE) ports

The switch, featuring 4-port PoE IEEE 802.3at, supplies up to 30 watts per port with 48V/DC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3at compliant network accessories. It also features high power awareness to verify whether the network device receive power is IEEE 802.3at compliant, or only the data will be sent through LAN cable. By adding PS-254 to existing networking, installing networking products such as Access Points and IP cameras can be easily managed and set up.

No Special Networking Cable Required

With the PoE feature, users can use an existing standard Cat-5 Ethernet cable without a new electrical outlet for both power and data. It helps users reduce installation time and cost.

Auto-MDI/MDI-X

Every port can automatically sense 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 sense 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 and allows you 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 802.3af IEEE 802.3at IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3x Flow Control
Number of Ports	5 10/100BaseT(X) with 4 PSE/Power over Ethernet Ports

PoE

Standards	IEEE 802.3at
Max. PoE Output per Port	30W
Total PoE Budget	70W
Overload Protection	Yes

Performance

MAC Address	1K
Buffer Memory	384 K bits
Transmission Method	Store and Forward
Filtering/Forwarding Rates	100Mbps port - 148,800pps 10Mbps port - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP

Led Indicators

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

Electrical

Power Input	AC100~240V, 50~60Hz
Power Output	DC48V
Power Supply	External

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)	24 × 130 × 98mm (0.95" x 5.12" x 3.86")
Weight	0.76kg

Regulatory

Certifications	FCC Class A, CE, RoHS

Ordering Information

Models	POE004-EU POE004-US

Warranty Information

Product Warranty	1 year

Dimensions

7.7mm(0.3") 14mm(0.55") 68.5mm(2.7") 7.7mm(0.3") 98mm(3.86")

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PoE LINK/ACT POWER 1 2 3 4 5

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