

# POE008

## 8-Port Fast Ethernet + 2-Port Giga uplink Web Smart PoE Switch



IEEE 802.3at PoE+, web management, VLAN, QoS, RSTP, IGMP Snooping, LACP

MESSOA POE008 is an 8-port 10/100M Web Smart PoE Switch with 2-port Giga uplink designed to operate with MESSOA Lite Series NVR203-008 8CH NVR. The switch supports IEEE 802.3at Power over Ethernet standard, with maximum 130W power consumption per system and no special network cable required for your PD devices. The switch also provides smart Web management features, such as VLAN, QoS, RSTP, LACP, Port Security to further enhance the network infrastructure. Compact in size, the switch fits perfectly for small to medium network video environment with confined space. It also gives users with the option of installing it in a 19" cabinet by rack-mount kits or underneath a desk.

### IEEE 802.3at Power over Ethernet (PoE) ports

The device features 8 IEEE 802.3at Power over Ethernet (PoE) ports supplying up to 30 watts per port. 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. By adding the device to existing networking, installing networking products such as Access Points and IP cameras can be easily managed and set up. Wireless device deployments are easily located with available power outlets and network administrators don't need to use heavy AC power adapters anymore.

### Exceptionally Smart

The management interface can be accessed through Web Browser and provides Smart features that are ideal for simple network applications and basic monitoring tools to improve network efficiency. Through a Web-based interface, an administrator can set up VLANs to segregate traffic, QoS to prioritize mission-critical data, RSTP/Loop Protection to avoid network loop, link aggregation to create fat traffic pipelines, bandwidth control to limit traffic load and Port Security to secure your network. All of these features offer extra protection on the network edge. Best of all, the password-protected configuration interface can be accessed remotely.

### 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, 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 Flow Control IEEE 802.3ad Link Aggregation Control Protocol IEEE 802.1Q VLAN IEEE 802.1p Class of Service IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.3at Power Over Ethernet (PoE+)
Number of Ports	10
Fast Ethernet	8-port 10/100 Base-TX, IEEE 802.3at PSE
Gigabit Ethernet	1-port 10/100/1000 Base-T, 1-port Gigabit SFP
PoE	
Standards	IEEE 802.3at
Max. PoE Output per Port	30W
Total PoE Budget	130W
Power Enable/Disable	Yes
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. 5/5E,6 UTP/STP
Smart Features	
Port Based VLAN	10
Tagged Based VLAN	32, VID = 1~4094
Spanning Tree Protocol	STP/RSTP
IGMP Snooping	IGMP Snooping v1/v2
Link Aggregation	1, Gigabit ports
Quality of Service(QoS)	High & Low priority queues, 802.1p
Security	Port & MAC binding, 3 MAC per port
Port	Port State, Speed/Duplex

Flow Control	Yes
Port Mirroring	Yes
Bandwidth Control	Yes
Broadcast Storm Control	Yes
PoE Control	PoE Port Enable/Disable, PoE Status
Management	Web Management, password protection, Configuration backup/restore, Firmware upgrade
Led Indicators	
Per Port	Link/Act, PoE Act/Status
Per Unit	Power
Electrical	
Power Input	AC100~240V, 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)	44 x 266 x 160 mm (1.73" x 10.5" x 6.3")
Weight	1.8 kg
Regulatory	
Certifications	FCC Class B, CE, RoHS
Ordering Information	
Models	POE008-EU POE008-US
Warranty Information	
Warranty	1 year

## Dimensions

