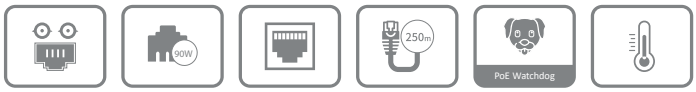
MAS08P96H-X

8-Port Unmanaged Desktop Switch with 8 Port PoE

* The parameters and datasheets below can only be applied to V2.0 (version 2.0)

- Intelligent PoE
- BT 90W
- 8-pin assignment PoE power supply
- Long distance PoE
- PoE watchdog
- Wide working temperature



System Overview

MAS08P96H-X is an unmanaged Hardened PoE Switch with 8 × 10/100Mbps PoE Ports. It provides 8 × 10/100 Mbps Ethernet ports , 1 × 1000M SFPand 1× 10/100/1000 Mbps uplink ports. The product is equipped with two types of transmission modes (Extend Mode On/Extend Mode Off). The red port supports the IEEE802.3bt and the Hi-PoE standards. The maximum power consumption is 90W. It also supports PoE watchdog to avoid manually maintenance and device restart, which can realize the intelligent management and reduce the cost.

Functions

Intelligent PoE
Provides control over power consumption and offers real-time monitoring to ensure power supplies receive priority with important ports and to prevent malfunctions caused by changes in power consumption. Supports ultra wide power supplies and is able to adapt to IPC power fluctuations.

BT 90W
The red ports support IEEE802.3af, IEEE802.3at, IEEE802.3bt and Hi-PoE standards, with a maximum output power consumption rate of 90W per port. Suitable for powering high-power devices.

PoE Watchdog
Adopts the innovative PoE Watchdog. PoE Watchdog can be switched on by dialing or turning on the WEB page switch. It enables the switch to automatically detect port status and restart failed ports to recover connection in case of IPC connection exception. This enables intelligent operation and maintenance management in its truest sense, effectively reducing manual maintenance costs.

Long Distance PoE
By dialing or enabling long-range transmission on the WEB interface, the transmission distance of a PoE port can be up to 250 m, meeting the requirements of wired transmission (bandwidth reduced to 10 Mbps).

8-pin Assignment PoE Power Supply
Supports 8-pin simultaneous power supply (1/2/4/5 positive, 3/6/7/8 negative). Signal lines and idle lines supply power at the same time. Compatibility with IPC is enhanced. Cable loss is reduced. Loading capacity is increased.

Scene

The device is applicable for use in different scenarios, including home, office, server farm, and small mall.

Specification

Hardware

Data Transmission Port	Port 1–8: 8 × RJ-45 10/100 Mbps (PoE) Port 9: 1 × RJ-45 10/100/1000 Mbps (uplink) Port 10: 1 × SFP 1000 Mbps (uplink)
Power Supply	48 V–57 V DC
Operaing Temperature	–30 °C to +65 °C (-22 °F to +149 °F)
Operating Humidity	5% – 95% (RH)
Power Consumption	Idling: 3 W Full load: 96 W

Performance

Capacity	7.6 Gbps
Packet Forwarding Rate	4.17 Mbps
Packet Buffer Memory	1 Mbit
MAC Table Size	8K
Communication Standard	IEEE802.3/IEEE802.3u/IEEE802.3X/IEEE 802.3ab/IEEE 802.3z

PoE

PoE Standard	IEEE802.3af/ IEEE802.3at/ Hi-PoE/ IEEE802.3bt
PoE Power	Port 1–2 ≤ 90 W, Port 3–8 ≤ 30W, total≤ 96W
Power Consumption Management	Yes
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Long Distance PoE	250 m (820.21 ft) long distance PoE transmission

General

Lightning Protection	Air discharge: 8 kV Contact discharge: 6 kV
ESD Protection	Common mode: 4 kV Differential mode: 2 kV
Net Weight	0.54 kg (1.03 lb)
Product Dimensions	150 mm × 100 mm × 42 mm (5.91" × 3.94" × 1.65")

Transmission Performance:

Switch power supply voltage 53V.
CAT5E/CAT6. Max. DC resistance < 10 Ω/100 m

IEEE802.3bt 90 W

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
100	71.3	100
150	62	10
200	51	10
250	40	10

Hi-PoE 60 W

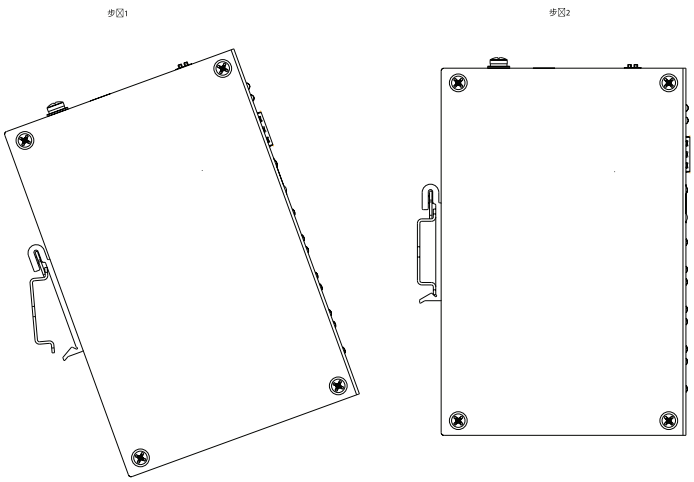
100	53	100
150	50	10
200	47	10
250	37	10

IEEE802.3at 30 W

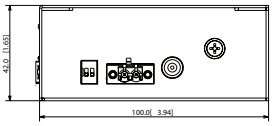
100	25.5	100
150	25.5	10
200	25.5	10
250	25.5	10

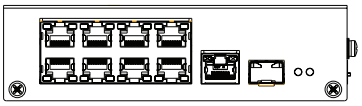
Note: Data from this table was collected by Montavue test lab and is for reference only . The actual transmission distance may vary due to power consumption of connected devices or the cable type and status.

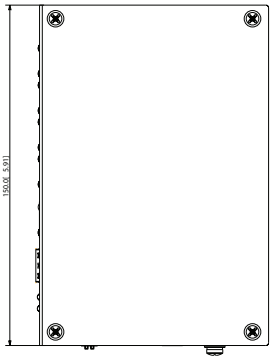
Installation



Dimensions (mm[inch])







MAS10P096GB

10-Port Unmanaged Desktop Switch with 8 Port PoE

* The parameters and datasheets below can only be applied to V2.0 (version 2.0)

- Intelligent PoE
- 8-pin assignment PoE power supply
- Long distance PoE
- PoE watchdog
- BT 90W
- All-giga ports
- Wide working temperature

System Overview

MAS10P096GB is an unmanaged Desktop Switch with 8 ×10/100/1000Mbps PoE Ports. It provides 8 × 10/100/1000 Mbps Ethernet ports and 2 × 10/100/1000 Mbps uplink ports. The product is equipped with two types of transmission modes (Extend Mode On/Extend Mode Off). The red port supports the IEEE802.3bt and the Hi-PoE standards. The maximum power consumption is 90 W. It also supports PoE watchdog to avoid manually maintenance and device restart, which can realize the intelligent management and reduce the cost.

Functions

Intelligent PoE
Provides control over power consumption and offers real-time monitoring to ensure power supplies receive priority with important ports and to prevent malfunctions caused by changes in power consumption. Supports ultra wide power supplies and is able to adapt to IPC power fluctuations.

BT 90W
The red ports support IEEE802.3af, IEEE802.3at, IEEE802.3bt and Hi-PoE standards, with a maximum output power consumption rate of 90W per port. Suitable for powering high-power devices.

PoE Watchdog
Adopts the innovative PoE Watchdog. PoE Watchdog can be switched on by dialing or turning on the WEB page switch. It enables the switch to automatically detect port status and restart failed ports to recover connection in case of IPC connection exception. This enables intelligent operation and maintenance management in its truest sense, effectively reducing manual maintenance costs.

Long Distance PoE
By dialing or enabling long-range transmission on the WEB interface, the transmission distance of a PoE port can be up to 250 m, meeting the requirements of wired transmission (bandwidth reduced to 10 Mbps).

8-pin Assignment PoE Power Supply
Supports 8-pin simultaneous power supply (1/2/4/5 positive, 3/6/7/8 negative). Signal lines and idle lines supply power at the same time. Compatibility with IPC is enhanced. Cable loss is reduced. Loading capacity is increased.

Scene

The device is applicable for use in different scenarios, including home, office, server farm, and small mall.

Specification

Hardware

Data Transmission Port	Port 1–8: 8 × RJ-4510/100/1000 Mbps (PoE) Port 9-10: 2 × RJ-45 10/100/1000 Mbps (Uplink)
Power Supply	48 V–57 V DC
Operaing Temperature	–10 °C to +55 °C (+14°F to +131°F)
Operating Humidity	5% – 95% (RH)
Storage Temperature	–20 °C to +70 °C (–4°F to +158°F)
Storage Humidity	5% – 95%(RH)
Power Consumption	Idling: 3 W Full load: 96 W

Performance

Capacity	20 Gbps
Packet Forwarding Rate	14.88 Mpps
Packet Buffer Memory	1.5 Mbit
MAC Table Size	4K
Communication Standard	IEEE802.3/IEEE802.3u/IEEE 802.3ab/ IEEE802.3x

PoE

PoE Standard	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt
PoE Power	96 W
Power Consumption Management	Yes
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Long Distance PoE	250 m long distance PoE transmission

General

Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Thunder-proof	Common mode: 4 kV Differential mode: 2 kV
Net Weight	0.50 kg (1.10 lb)
Gross Weight	1.32 kg (2.91 lb)
Product Dimensions	190 mm × 100 mm × 30 mm (7.48” × 3.94” × 1.18”)

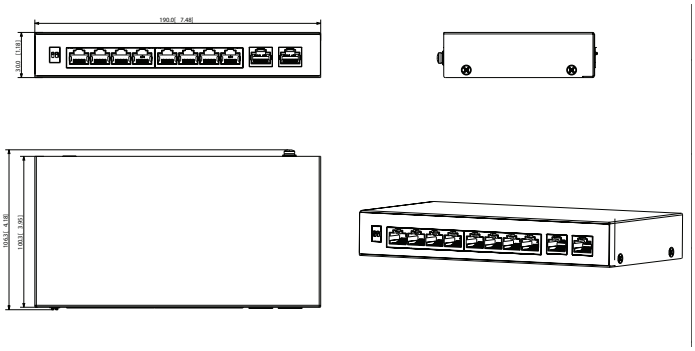
Transmission Performance:

Switch power supply voltage 53V.
CAT5E/CAT6. Max. DC resistance < 10 Ω/100 m

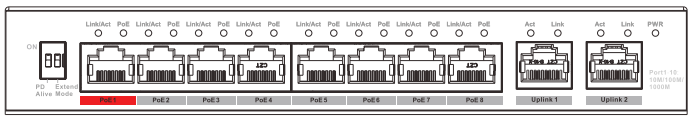
Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90 W		
100	71.3	100
150	62	10
200	51	10
250	40	10
Hi-PoE 60 W		
100	53	100
150	50	10
200	47	10
250	37	10
IEEE802.3at 30 W		
100	25.5	100
150	25.5	10
200	25.5	10
250	25.5	10

Note: Data from this table was collected by Montavue test lab and is for reference only . The actual transmission distance may vary due to power consumption of connected devices or the cable type and status.

Dimensions (mm[inch])



Panels



MAS16P135

16-Port Unmanaged PoE Switch

- Intelligent PoE
- PD Alive(PoE Watchdog)
- Long Distance PoE Transmission
- Smooth Transmission
- Wide Working Temperature: –10 to 55°C (14°F to 131°F)
- Port Isolation

System Overview

MAS16P135 is a 100 Mbps dual-port uplink unmanaged PoE switch. It supports functional DIP switch which provides port isolation, long distance power supply, PoE watchdog and QoS control. Featured with Gigabit uplink optical ports, it meets the need of long distance transmission.

Scene

Applicable to small and micro-scale monitoring networks such as office desktops, schools, hotels, supermarkets, hospitals.

Technical Specification

Performance

Layer	Layer 2
Managed	No
Switching Capacity	7.2 Gbps
Packet Forwarding Rate	5.3568 Mpps
Packet Buffer Memory	4 Mbit
MAC Table Size	8K
Standards Compliance	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z

Hardware Feature

Standard Power Supply	Yes
PoE	Yes
Ethernet Port	16
Optical Port	2
Ethernet Port Rate	100 Mbps
Optical Port Rate	1 Gbps
Number of Bussiness Card Slots	“Port 1–16: 16 × RJ45 10/100 Mbps Port 17–18: 2 × RJ45 10/100/1000 Mbps (uplink) Port 17–18: 2 × SFP 1000 Mbps (uplink) (combo)”
Power Supply	100V AC–240V AC
Operating Temperature	–10°C to 55°C (14°F to 131°F)
Operating Humidity	10%–90%
Storage Humidity	5%–95%
Power Consumption	“Idling: 5W Full load: 135W”

PoE

PoE Standard	IEEE802.3af, IEEE802.3at, Hi-PoE
PoE Budget	Port 1–2≤60W, Port 3–16≤30W, to-tal≤135W
PoE Pin Assignment	PoE/Hi-PoE: 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Long Distance PoE Transmission	Yes

Function

VLAN	Port Isolation
QoS	Yes
System Maintenance	PD Alive

General

ESD	Air discharge: 8kV Contact discharge: 6kV
Thunderproof	Common mode: 4kV Differential mode: 2kV
Dimensions	440 mm × 300 mm × 44 mm (17.32” × 11.81” × 1.73”)
Packaging Dimensions	527 mm × 412 mm × 110 mm (20.75” × 16.22” × 4.33”)

MAWB-03P
Wireless Bridge

System Overview

Wireless bridge provides a great solution for scenes that require high transmission rates. The device has a throughput rate that is higher than 500 Mbps through its powerful hardware, which was designed with 802.11ac technology based on radio and Time Division Multiple Access (TDMA). The Gigabit Ethernet port can utilize the full capacity of the radio when used in a point-to-point (PTP) or point-to-multipoint (PTMP) network design. WBC5 series devices are not only backwards compatible with Montavue Wireless devices through TDMA, but also help to expand and upgrade existing networks over time using the latest technologies. The device also supports PoE input and PoE output (802.3af), effectively simplifying installation. It also comes with a built-in 2.4GHz Wi-Fi module that allows operators to remotely manage the device.

Functions

Industry Standard Protection
Built to meet the industrial design standards, the device is highly reliable and stable. It is also IP65-rated, waterproof and dustproof.

PoE Input & PoE Out
Gigabit PoE input and 100 Mbps PoE output, just one cable satisfies demand of power supply and signal transmission.

Enhanced Antenna
Features enhanced antenna gain for the stable transmission of wireless signals over long distances, and it has strong anti-interference capabilities.

Wireless Management
With its built-in 2.4 GHz Wi-Fi, the device can be wirelessly accessed and configured.

TDMA Enhancement
Adopts TDMA (Time Division Multiple Access) technology to stabilize video transmission bandwidth, and to locate wireless transmission hidden nodes.

- Strong signal: With its enhanced antenna, the peer-to-peer transmission distance reaches up to 3 km (9,842.52 ft).
- Wide operating temperature: –30 °C to +65 °C (–22 °F to +149 °F).
- Easy installation: Supports multiple installation methods such as wall mount and pole mount.
- High protection: IP65 rated, it is suitable for outdoor scenes and withstands severe weather.
- Strong broadband: The bandwidth can reach up to 867 Mbps, ensuring there is no delay in transmission.

Scene

Suitable for scenes that require long-distance transmission, such as parks, scenic spots, and factories.

Technical Specification

Hardware

Interface	1 × PoE RJ–45 (1000 Mbps); 1 × LAN RJ–45 (100 Mbps)
Power Module Connector	1 × PoE RJ–45(IN: 30 W)
Wireless Standard	2.4GHz: 802.11b/g/n; 5GHz: 802.11a/n/ac
Power Supply	PoE IN: 802.3at; PoE OUT: 802.3af
Included Power Adapter	Yes
Included Antenna	Yes
Ethernet Ports	2
Ethernet Port Speed	10/100/1000 Mbps
Reset Button	1
Power Consumption	< 30 W
External Port	2 × RJ–45; 1 × Reset
Indicator Light	1 × power indicator; 2 × LAN port indicators; 1 × PoE indicator; 3 × wireless signal strength indicators

Performance

Terminal Communication Protocol	IEEE802.11a/n/ac
Network Access	Ethernet
Operating Frequency	2.4 GHz(2412 MHz–2472 MHz); 5.150 - 5.850 GHz(5.15 GHz–5.25 GHz and 5.735 GHz–5.835 GHz)
Modulation Type	OFDM
Antenna	Built-in directional antenna
Antenna Interface	IPEX
Antenna Direction Angle	Horizontal 45°, vertical 20°
Polarization	Vertical/horizontal
Cross-polarization Isolation	>12
Antenna Gain	12 dBi
Max. VSWR	< 2.5
Transmission Distance	3 km (9,842.52 ft)
Air Interface Rate	867 Mbps
Protection	IP65
Network Mode	Bridge
Operating Mode	Access point; client
Device Type	802.11a/b/g/n/ac
Channel Width	20/40/80 MHz
Standard TX Power	Adapt to the regulations of countries or regions.
Connected Wireless Terminals	8

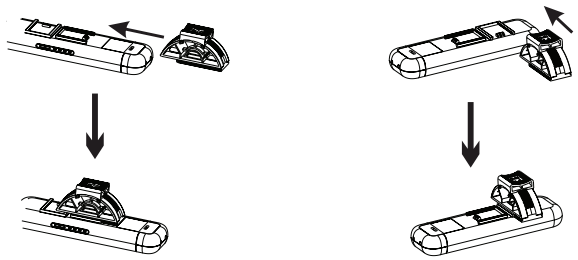
Function

Encryption Mode	WPA-PSK/AES/TKIP
Management and Log	NTP; Syslog
Webpage Configuration Management	Web configuration
Firmware Update	Web update
Wireless Certification	CE/FCC
Security Mechanism	WPA/WPA2; hidden SSID
Network Protocol	HTTPS; IPv4; UDP; NTP; DHCP; TCP
TDMA Enhancement	Yes
TDMA	Yes

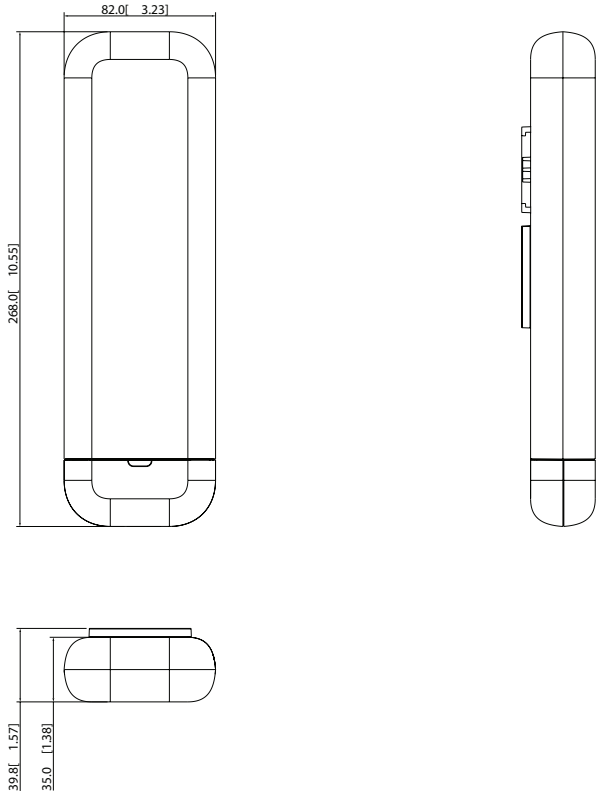
General

Operating Temperature	–30 °C to +65 °C (–22 °F to +149 °F)
Storage Temperature	–40 °C to +80 °C (–40 °F to +176 °F)
Operating Humidity	5%–95% (RH), non-condensing
Gross Weight	0.46 kg (1.01 lb)
Net Weight	0.37 kg (0.82 lb)
Packaging Dimensions	297 mm × 110 mm × 108 mm (11.7 " × 4.33" × 4.25")
Product Dimensions	268 mm × 82 mm × 35 mm (10.55" × 3.23" × 1.38")
Memory	1 Gb
Mounting	Pole mounting bracket included
Input	1 Gb
Mounting	Pole mounting bracket included
Input	48 V
Statics Protection	Air discharge: 15 kV Contact discharge: 8 kV
Lighting Protection	Common mode: 6 kV Differential mode: 4 kV
Installation	Pole mount

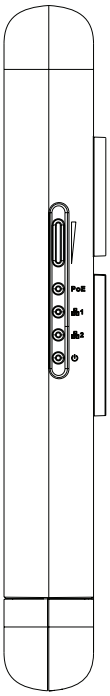
Installation

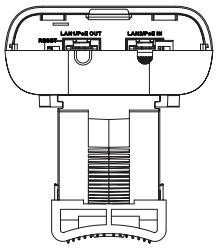


Dimensions (mm [inch])



Panels





MAS26P240

26-Port Unmanaged Desktop Switch with 8 Port PoE

- Intelligent PoE
- PD Alive(PoE Watchdog)
- Long Distance PoE Transmission
- Smooth Transmission
- Wide Working Temperature: –10 to 55°C (14°F to 131°F)
- Port Isolation

System Overview

DH-PFS3226-24ET-240 is a 100 Mbps dual-port uplink unmanaged PoE switch. It supports functional DIP switch which provides port isolation, long distance power supply, PoE watchdog and QoS control. Featured with Gigabit uplink optical ports, it meets the need of long distance transmission.

Scene

Applicable to small and micro-scale monitoring networks such as office desktops, schools, hotels, supermarkets, hospitals.

Technical Specification

Performance

Layer	Layer 2
Managed	No
Switching Capacity	8.8 Gbps
Packet Forwarding Rate	6.5472 Mpps
Packet Buffer Memory	4 Mbit
MAC Table Size	8K
Standards Compliance	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z

Hardware Feature

Standard Power Supply	Yes
PoE	Yes
Ethernet Port	24
Optical Port	2
Ethernet Port Rate	100 Mbps
Optical Port Rate	1 Gbps
Number of Bussiness Card Slots	Port 1–24: 24 × RJ45 10/100Mbps Port 25–26: 2 × RJ45 10/100/1000 Mbps (uplink) Port 25–26: 2 × SFP 1000 Mbps (uplink) (combo)
Power Supply	100V AC–240V AC
Operating Temperature	–10°C to 55°C (14°F to 131°F)
Operating Humidity	10%–90%
Storage Humidity	5%–95%
Power Consumption	Idling: 5W Full load: 240W

PoE

PoE Standard	IEEE802.3af, IEEE802.3at, Hi-PoE
PoE Budget	Port 1–2≤60W, Port 3–24≤30W, total≤240W
PoE Pin Assignment	PoE/Hi-PoE: 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Long Distance PoE Transmission	Yes

Function

VLAN	Port Isolation
QoS	Yes
System Maintenance	PD Alive

General

ESD	Air discharge: 8kV Contact discharge: 6kV
Thunderproof	Common mode: 4kV Differential mode: 2kV
Dimensions	440 mm × 300 mm × 44 mm (17.32" × 11.81" × 1.73")
Packaging Dimensions	527 mm × 412 mm × 110 mm (20.75" × 16.22" × 4.33")