US-24MP

Industrial-grade Gigabit PoE Switch

Datasheet

Features

Comprehensive L2 Features

US-24MP supports comprehensive list of L2 features like 802.1Q VLANs, QinQ, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol (LACP), 802.3x Flow Control, Loopback detection and cable diagnostics. IGMP Snooping intelligently forwards multicast streams to only the relevant subscribers thus improving the efficiency of the network. Subscribers are restricted on a port level through IGMP Throttling and Filtering, which prevent access to inappropriate streams.

Secure Networking

US-24MP supports wide range of secure networking features like IP-MAC-Port Binding, Port Security, Storm Control and DHCP Snooping defend against broadcast storms, ARP attacks, and other threats. In addition, the Access Control Lists feature stops sensitive network resources from being shared by denying packets based on source/destination MAC address, IP address, TCP/UDP ports and VLAN ID. 802.1x authentication used together with a RADIUS server prevents unwanted network access by requesting information prior to authentication. Guest VLAN provides a way for non-802.1x clients to access specified network resources.

Advanced QoS Features

Data hungry clients need advanced QoS policies to improve the efficiency of the network. Administrators can designate the priority of traffic through a variety of functions including Port Priority, 802.1p Priority and DSCP Priority to deliver crystal clear voice calls and jitter-fee video streams. A specialized Voice VLAN is provided to exclusively serve voice applications.

Enterprise Level Management Features

Management of US-24MP is made easy via a web-based Graphical User Interface (GUI) or industry-standard Command Line Interface (CLI), with administration traffic protected via SSL or SSH encryptions. SNMP (v1/v2c/v3) and RMON support enables the switch to be polled for valuable status information and allows it to send traps when abnormal events occur.

US-24MP is a 24 port Gigabit managed network switch, with 24 port Gigabit self-adaptive network port, 2 RJ45 and 2 SFP gigabit uplink ports. It is designed for enterprises which need high performance and reliable PoE switches for powering high end access points, IP cameras, IP phones and other PoE enabled devices.
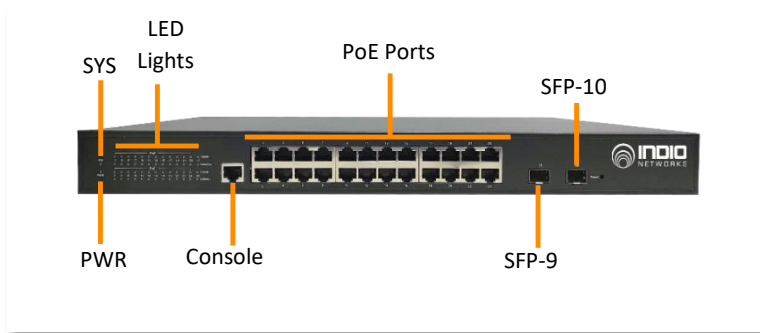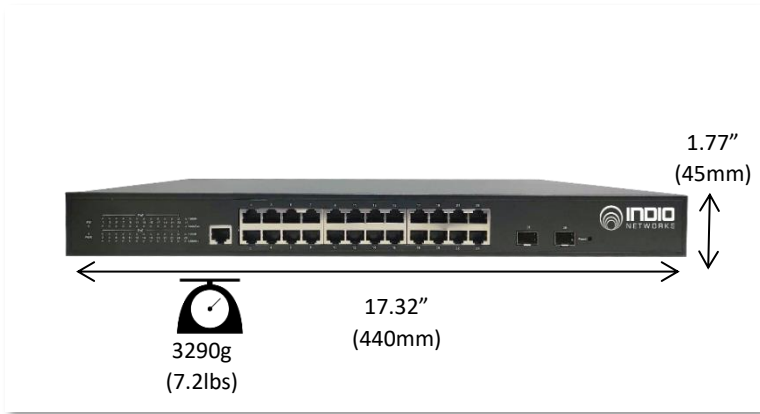
The PoE switch comes with 400W power supply that is capable of feeding high power on each port. The PoE switch comes with 2 SFP ports that can be used for connecting to the fiber network along with two additional Gigabit LAN port for uplink. These ports provide easy stacking options to the network administrators.

Key Points:

- 24-Port Gigabit with 2 SFP Slots.
- Compliant with IEEE802.3, IEEE 802.3u, IEEE802.3ab Ethernet standard.
- Full duplex and half duplex mode, supports IEEE802.3X standard traffic control.
- Supports 9216-byte Jumbo Frame.
- Provides 24 adaptive RJ45 port, Support 10/100/1000Mbps Negative Link Velocity.
- Supports port input/output bandwidth control.
- Provides up to 52Gbps bandwidth and non-blocking line speed forward.
- Provides LED indicators.
- Provides independent two gigabit SFP optical fiber port.
- Full metal jacket, 1U size.

Switch Characteristics	
Ports	24 * 10/100/1000M RJ45 PoE Ports 2 * 10/100/1000M RJ45 Up-Link Ports 2 * 1000Base-X SFP Fiber Ports
Compatible Fiber Module	MXPD-243S SFP-SM TL-SM311LS H8518P1BNL-H3C GLC-LH-SMD OSG010N05
Functions	Storage and forwarding Back bandwidth: 56Gbps MAC Address Table: 8K
PoE Standard	IEEE802.3af, IEEE802.3at
Max Port PoE power	30W
Max Power	400W
DC Input	100-240V~ 50/60Hz
PoE Standard	IEEE 802.3 IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-X IEEE 802.3af IEEE 802.3at
Working Temperature	0°C~50°C
Storage Temperature	-40°~70°C
Working Humidity	10%~90% RH
Storage Humidity	5%~90% RH
EMI	GB9254-2008 Class A
UL	GB4943-2001
Weight	3.29kg

Hardware Specifications	
Port Type	Gigabit Ethernet
Switch Type	L2 Managed Switch
Supported Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Interfaces	24 10/100/1000Mbps RJ45 ports, all supporting PoE+ 2 Gigabit SFP Slots 1 RJ45 Console Port
SFP Ports	2 SFP Gigabit Ports
Network Media	• 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) • 100BASE-TX/1000Base-T: UTP category 5, 5e or above cable (maximum 100m)
Fanless Operation	Yes
Power Supply	100~240VAC, 50/60Hz
Dimensions (LxWxH)	440x290x45mm
Max Power Consumption	400W

1.77"
(45mm)

3290g
(7.2lbs)

17.32"
(440mm)

11.41"
(290mm)

LED
Lights

SYS

PoE Ports

SFP-10

PWR Console

SFP-9

ON/OFF

DC Power

Switch Deployment

Internet

Firewall

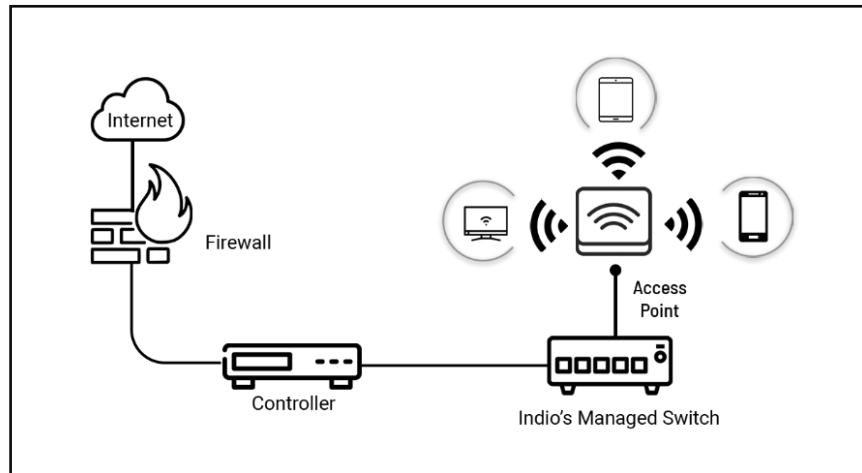Controller

Access Point

Indio's Managed Switch

Figure 1. Indio's managed switch connected between controller and access point.

With over two decades of experience, we have worked closely in the wireless space essentially serving over 25+ million users till date. At Indio, we have seen disruptions in the tech sphere and worked alongside them. We solve problems where we see them, we evolve, innovate and adapt. That's why, we constantly craft newer products and solutions to make your life easier. 'Simplifying connectivity' is a principle we hold dear, and we plan on bringing it to everyone, everywhere. With a strong presence in over three important geographies, being Asia, the Middle East and America, we are always available for quick and responsive customer support.

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