Datasheet

L2 Management PoE Switch

WI–PMS310GF | WI–PMS312GF | WI–PMS318GF | WI–PMS320GF |
WI–PMS326GF | WI–PMS328GF

Overview

The Wi–Tek L2 Management Gigabit PoE Switch offers 8/16/24 PoE ports, providing flexible and high–performance full–gigabit access and uplink ports. It supports complete security protection mechanisms, perfect ACL/QoS policies, and flexible VLAN functions. The switch is easy to manage and maintain, highly secure, and cost–effective. It is the preferred networking equipment for small and midsize business.

Features

Flexible VLAN Division

In the enterprise office network, in order to isolate network access between different departments to avoid PCs infected by virus affecting the entire network, it is necessary to divide the interior into different VLANs to isolate the broadcast domain and improve the stability of the network.

Advanced QoS features

To integrate voice, data, and video services on one traffic based on a variety of means, including IP or MAC address, TCP or UDP port number, etc., to ensure that voice and video are always clear, smooth, and jitter–free. In conjunction with the Voice VLAN that the switch supports, the voice applications will operate with much smoother performance.

High Reliablity

Support STP / RSTP / MSTP Spanning Tree Protocol to eliminate layer 2 loops and implement link backup. Support port aggregation to effectively increase link bandwidth, achieve load balancing, link backup and enhance link reliability.

Abundant Management Features

Easy to use and manage. It supports various user–friendly standard management features, such as intuitive web–based Graphical User Interface (GUI), Command Line Interface (CLI), SNMP (v1/v2c/v3), and RMON, which allows the switch to provide valuable status information and send reports on abnormal events.

Specifications

Model	WI–PMS310GF	WI–PMS312GF	WI–PMS318GF
Hardware Specifications			
Hardware Version	V1	V1	V1
Interfaces			
Downlink Ports	8 x 10/100/1000Mbps RJ45 Ports	8 x 10/100/1000Mbps RJ45 Ports	16 x 10/100/1000Mbps RJ45 Ports
Uplink Ports	2 x 1000Mbps SFP Slots	4 x 1000Mbps Combo SFP Slots	2 x 1000Mbps SFP Slots
Management port	1 x Console Port	1 x Console Port	1 x Console Port
Performance			
Memory and Flash	128MB DDR3, 16MB Flash		
PoE			
PoE Port	Port 1– 8	Port 1– 8	Port 1–16
PoE Standard	IEEE 802.3af, IEEE 802.3at		
PoE Power Supply Type	End–span		
PoE Pin Assignment	1/2(+), 3/6(−)		
PoE Power	30 W Max. for each port, 130 W Max. for PoE power budget	30 W Max. for each port, 126 W Max. for PoE power budget	30 W Max. for each port, 274 W Max. for PoE power budget
Switch Property			
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.1D, IEEE 802.1s, IEEE 802.1w, IEEE 802.1Q, IEEE 802.1X, IEEE 802.1p		
Forwarding Mode	Store and Forward		
Switching Capacity	20 Gbps	24 Gbps	36 Gbps
Packet Forwarding Rate	14.88 Mpps	17.86 Mpps	26.78 Mpps

MAC Address Table	8 k		
Packet Buffer Memory	16 MB		
Jumbo Frame	9 k		
Power Supply			
Input Power	AC 100–240V 50/60Hz		
Power Consumption	Idle: 20 W 100% Traffic Rate with PoE: 150 W	Idle: 24 W 100% Traffic Rate with PoE: 150 W	Idle: 26 W 100% Traffic Rate with PoE: 300 W
Physical Characteristics			
LED Indicators	**PWR** Solid on: The device power on is normal Off: The device is power off or failed **SYS** Blinking: The system works Off: The system is starting or has no power **PoE** Solid on: Equipment connected, normal power supply Off: Port not for terminal equipment power supply **LNK** Solid on: Port connected Blinking: Data transmission Off: Port disconnected	**POWER** Solid on: The device power on is normal Off: The device is power off or failed **SYS** Blinking: The system works Off: The system is starting or has no power **PoE** Solid on: Equipment connected, normal power supply Off: Port not for terminal equipment power supply **Link** Solid on: Port connected Blinking: Data transmission Off: Port disconnected	**PWR** Solid on: The device power on is normal Off: The device is power off or failed **SYS** Blinking: The system works Off: The system is starting or has no power **PoE** Solid on: Equipment connected, normal power supply Off: Port not for terminal equipment power supply **LNK/ACT** Solid on: Port connected Blinking: Data transmission Off: Port disconnected

	9, 10 Solid on: Port connected Blinking: Data transmission Off: Port disconnected	1000M On: The negotiate speed is 1000Mbps and ports link up Off: The negotiate speed is 10/100Mbps, not 1000Mbps	1000M On: The negotiate speed is 1000Mbps and ports link up Off: The negotiate speed is 10/100Mbps, not 1000Mbps
Buttons	RESET(a black hole): Hold for >5 sec. to restore factory default.	RET: Hold for >5 sec. to restore factory default.	RET: Hold for >5 sec. to restore factory default.
Fan Quantity	Fanless	2	
Dimensions (W*D*H)	208 x 144 x 44mm	295 x 200 x 44mm	440 x 302 x 44mm
Weight	Net Weight:1.00kg	Net Weight:1.55kg	Net Weight: 3.22 kg
	Package Weight:1.58kg	Package Weight:2.31kg	Package Weight: 4.01 kg
Installation	Desktop、Rack-mounted		

Environmental

Reliability	Surge Immunity	IEC 61000-4-5 Common mode 6 kV Differential mode 2 kV
	ESD Protection	IEC 61000-4-2 Contact discharge 6 kV Air discharge 8 kV
Operating Temperature		0°C to 40°C(32°F to 104°F)
Operating Humidity		10%~90% RH no condensation
Storage Temperature		-40°C to 70°C(-40°F to 158°F)
Storage Humidity		5%~90% RH no condensation

Others

Certification	CE, FCC, RoHS, UKCA, RCM

Model	WI–PMS320GF	WI–PMS326GF	WI–PMS328GF
Hardware Specifications			
Hardware Version	V1	V1	V1
Interfaces			
Downlink Ports	16 x 10/100/1000Mbps RJ45 Ports	24 x 10/100/1000Mbps RJ45 Ports	24 x 10/100/1000Mbps RJ45 Ports
Uplink Ports	2 x 1000Mbps RJ45 Ports 2 x 1000Mbps SFP Slots	2 x 1000Mbps SFP Slots	4 x 1000Mbps Combo SFP Slots
Management port	–	1 x Console Port	1 x Console Port
Performance			
Memory and Flash	128MB DDR3, 16MB Flash		
PoE			
PoE Port	Port 1– 16	Port 1– 24	Port 1 – 24
PoE Standard	IEEE 802.3af, IEEE 802.3at		
PoE Power Supply Type	End–span		
PoE Pin Assignment	1/2(+), 3/6(–)		
PoE Power	30W Max. for each port, 270 W Max. for PoE power budget	30W Max. for each port, 370 W Max. for PoE power budget	30W Max. for each port, 365 W Max. for PoE power budget
Switch Property			
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.1D, IEEE 802.1s, IEEE 802.1w, IEEE 802.1Q, IEEE 802.1X, IEEE 802.1p		
Forwarding Mode	Store and Forward		

Switching Capacity	36 Gbps	52 Gbps	56 Gbps
Packet Forwarding Rate	26.78 Mpps	38.69 Mpps	41.66 Mpps
MAC Address Table	8 k		
Packet Buffer Memory	16 MB		
Jumbo Frame	9 kB		
Power Supply			
Input Power	AC 100–240 V 50/60Hz		
Power Consumption	Idle: 30 W 100% Traffic Rate with PoE: 300 W	Idle: 30 W 100% Traffic Rate with PoE: 400 W	Idle: 35 W 100% Traffic Rate with PoE:400 W
Physical Characteristics			
LED Indicators	**POWER** Blinking: The device power on is normal Off: The device is power off or failed **PoE** Solid on: Equipment connected, normal power supply Off: Port not for terminal equipment power supply **Link** Solid on: Port connected Blinking: Data transmission Off: Port disconnected **1000M** On: The negotiate speed is 1000Mbps and ports link up Off: The negotiate speed is 10/100Mbps, not 1000Mbps	**PWR** Solid on: The device power on is normal Off: The device is power off or failed **SYS** Blinking: The system works Off: The system is starting or has no power **PoE** Solid on: Equipment connected, normal power supply Off: Port not for terminal equipment power supply **Link/Act** On: The negotiate speed is 100Mbps/10Mbps and ports link up	**PWR** Solid on: The device power on is normal Off: The device is power off or failed **SYS** Blinking: The system works Off: The system is starting or has no power **PoE** Solid on: Equipment connected, normal power supply Off: Port not for terminal equipment power supply **Link/Act** On: The negotiate speed is 100Mbps/10Mbps and ports link up

	19、20 Solid on: Port connected Blinking: Data transmission Off: Port disconnected	**1000M** On: The negotiate speed is 1000Mbps and ports link up Off: The negotiate speed is not 1000Mbps	**1000M** On: The negotiate speed is 1000Mbps and ports link up Off: The negotiate speed is 10/100Mbps, not 1000Mbps
Buttons	RET: Hold for >5 sec. to restore factory default.	–	
Fan Quantity	2		
Dimensions (W*D*H)	296 x 199 x 44mm	441 x 300 x 44mm	441 x 300 x 44mm
Weight	Net Weight: 1.86 kg	Net Weight: 3.30 kg	Net Weight: 3.48 kg
	Package Weight: 2.56 kg	Package Weight: 4.00 kg	Package Weight: 4.24 kg
Installation	Desktop、Rack-mounted		

Environmental			
Reliability	Surge Immunity	IEC 61000-4-5 Common mode 6 kV Differential mode 2 kV	
	ESD Protection	IEC 61000-4-2 Contact discharge 6 kV Air discharge 8 kV	
Operating Temperature		0℃ to 40℃(32℉ to 104℉)	
Operating Humidity		10%~90% RH no condensation	
Storage Temperature		–40℃ to 70℃(–40℉ to 158℉)	
Storage Humidity		5%~90% RH no condensation	

Others		
Certification	CE, FCC, RoHS, UKCA, RCM	

Software Features		
Spanning Tree	IEEE 802.1D – STP	
	IEEE 802.1w – RSTP	
	IEEE 802.1s – MSTP	
	BPDU Guard	
	Ring protocol	Support ERPS ring network protocol
		Support RPL configuration
		EAPS
	VLAN Group（Max 4K VLAN Groups)	
	802.1Q Tagged VLAN	

VLAN	Voice VLAN	
	Protocol VLAN	
	MAC VLAN	
	QINQ	
	IP-subnet-vlan	
	GVRP	
Port	Link Aggregation	LACP
		Static
		Up to 8 aggregation groups and up to 8 ports per group
	Flow Control	
	Jumbo Frame	
	Broadcast Storm	
	Protected Port	
	Learn Limit	
	Port Rate Limit	
	DDM Information	
	Port mirroring	One-to-One
		Many-to-One
		Tx/Rx/Both
	Loop Detection	Port based
ACL	IP standard access list	1-99,1300-1999
		Source IP Address
		Time-Based ACL
	IP extended access list	100-199,2000-2699
		Source IP
		Destination IP
		IP Protocol
		TCP Protocol
		UDP Protocol
		Source Port
		Destination Port

		Time-Based ACL
		TCP Control Flag (fin syn rst psh ack urg)
	MAC arp access list	1100-1199
		Sender MAC
		Time-Based ACL
		Source IP
	MAC IP access list	700-799
		Sender MAC
		Source IP
		Destination IP
		Time-Based ACL
		VLAN ID
	IPV6 access list	200-299
		Source Port
		Destination Port
		TCP Protocol
		UDP Protocol
		Time-Based ACL
		VLAN ID
Security	RADIUS/TACACS+/local	
	dot1x	802.1X
		MAC-Based
		port-Based
		Guest VLAN
	IP MAC-Port Binding	
	Broadcast/Multicast/Uni-cast Storm Control	
	Dynamic ARP Inspection	
	Secure Command Line Interface (CLI) management with SSHv1/SSHv2	
	DHCP Snooping	
	8 priority queues	

QoS	802.1p CoS/DSCP priority	
	Queue scheduling	SP (Strict Priority)
		WRR (Weighted Round Robin)
		WFQ(Weighted Fair robin)
	ACL QOS	
	Rate Limit	Send Packets / Receive Packets
L2 Multicast	IGMP Snooping	IGMP filter-rule
		IGMP Querier
		IGMP Snooping v1v2/v3
	MLD Snooping	MLD v1/v2 Snooping
		MLD Snooping Statistics
	MVR	priority
		Port Setting
		Group Address
	GMRP	Fixed Registration
		Forbidden Registration
		Normal Registration
IPV6	IPv4/IPv6 Dual Protocol Stack	
	Ipv6 Web/SSL	
	Ipv6 SNTP	
	Ipv6 Telnet/SSH	
	Ipv6 Ping/Traceroute	
	Ipv6 TFTP	
	Ipv6 RADIUS/TACACS+	
	Ipv6 SNMP	
	Web-based GUI	
	Command Line Interface (CLI) through the console port, telnet	
	SNMP (v1 , v2c , v3)	
	Trap/Inform	
	RMON (1 , 2 , 3 & 9)	
	Firmware Upgrade	

Management	Configuration Export/import
	System Log
	LLDP (IEEE802.1AB)
	LLDP– MED
	UDLD
	Traceroute
	NDP/NTDP
	Fiber Module
	Password Recovery
	CPU Monitoring
	Ping
	SNTP (RFC2030)

Appearances and Dimensions

WI–PMS310GF

Dimensions (mm)

44mm

208mm

144mm

Front Panel

LED light

1*Console Port

8*10/100/1000Mbps RJ45 PoE+ Ports

2*1000Mbps SFP Slots

Side Panel

DC Power port

DC-IN

AC100-240V 50-60Hz

Grounding

AC Power port
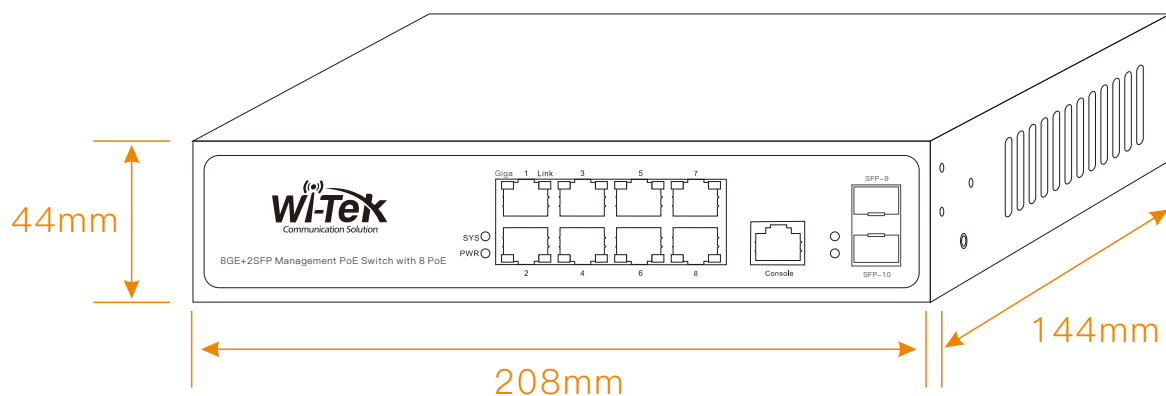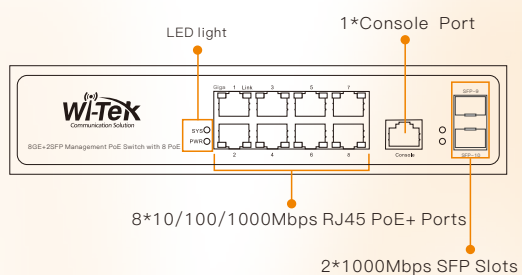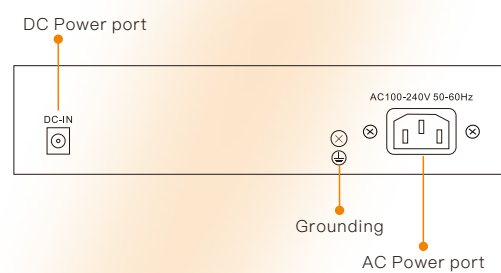
WI-PMS312GF

Dimensions (mm)

44mm

295mm

200mm

Front Panel

LED light

1 x Console Port

8 x 10/100/1000Mbps RJ45 PoE+ Ports

4 x 1000Mbps combo SFP Slots

Side Panel

DC Power port

DC-IN

AC100-240V 50-60Hz

Grounding

AC Power port
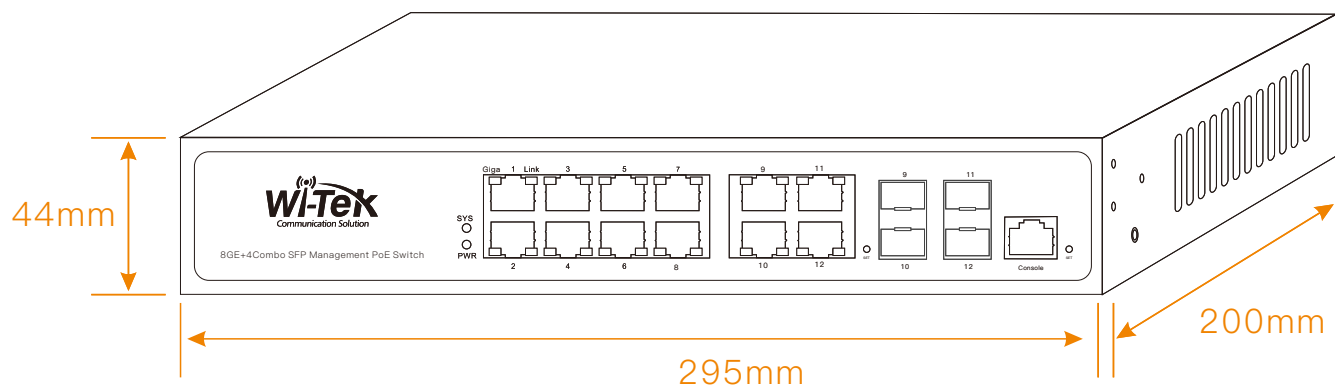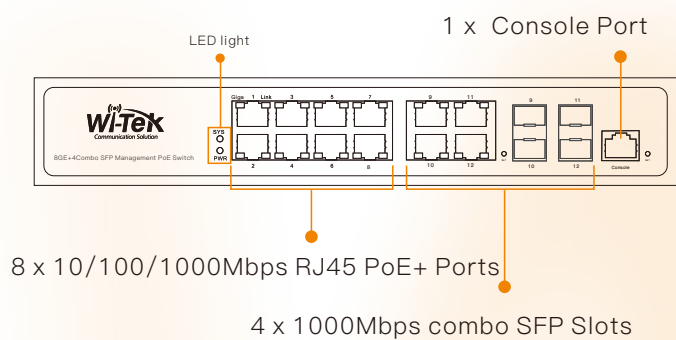
WI–PMS318GF

Dimensions (mm)

44mm

440mm

302mm

Front Panel

1 x Console Port

2 x 1000Mbps SFP Slots

LED light

16 x 10/100/1000Mbps RJ45 PoE+ Ports

Side Panel

AC 100~240V

Grounding Interface

AC Power port
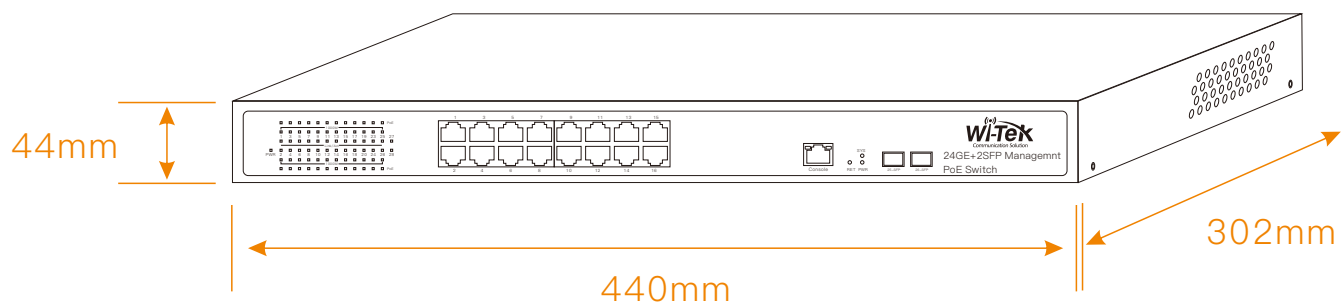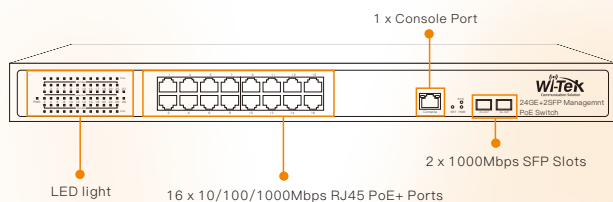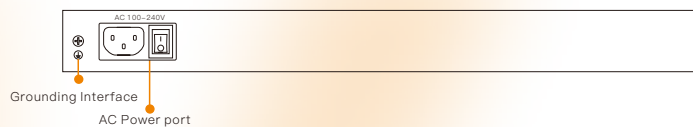
WI–PMS320GF

Dimensions (mm)

44mm

295mm

200mm

16GE+2ComboM SFP L2 Managed PoE Switch

Front Panel

LED light

2 x 1000Mbps Ethernet Ports

16 x 10/100/1000Mbps RJ45 PoE+ Ports

2 x 1000Mbps SFP Slots

Side Panel

DC Power port

DC-IN

AC100-240V 50-60Hz

Grounding

AC Power port
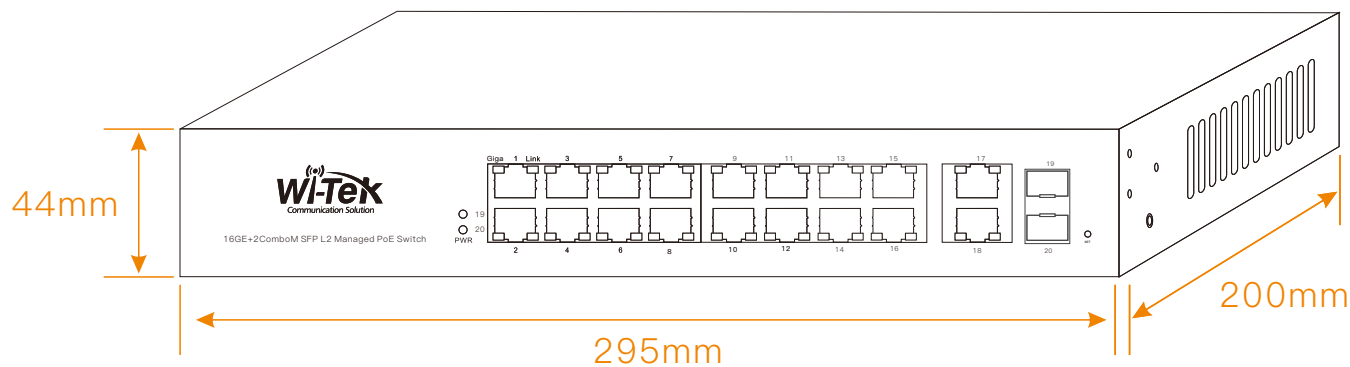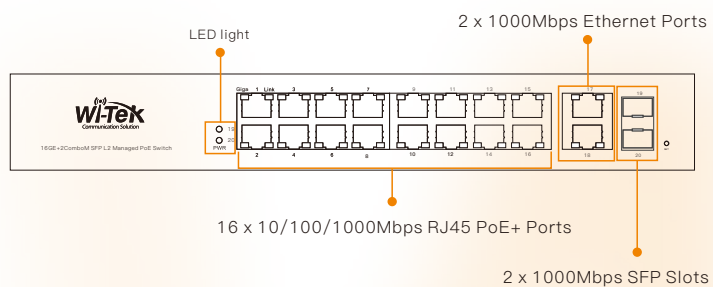
WI–PMS326GF

Dimensions (mm)

44mm

440mm

290mm

Front Panel

1 x Console Port

2 x 1000Mbps SFP Slots

LED light

24x10/100/1000Mbps Rj45 PoE+ Ports

Side Panel

AC 100–240V

Grounding Interface

AC IN 100–240V
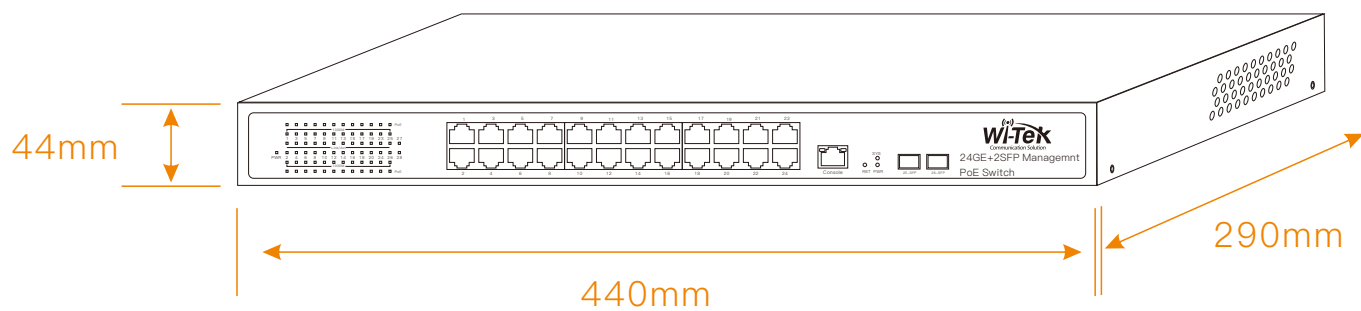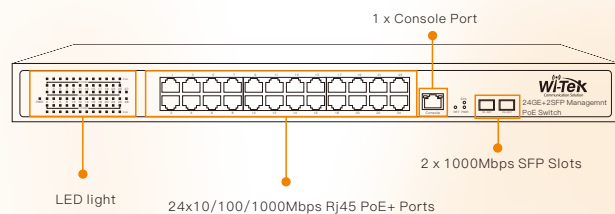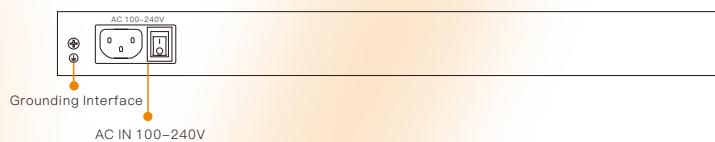
WI–PMS328GF

Dimensions (mm)

44mm

440mm

290mm

Front Panel

24 X 10/100/1000Mbps RJ45 PoE+ Ports

1 X Console Port

LED light

4 X 1000Mbps Combo SFP Slots

Side Panel

AC100-240V 50/60Hz

AC Power port

Grounding Interface
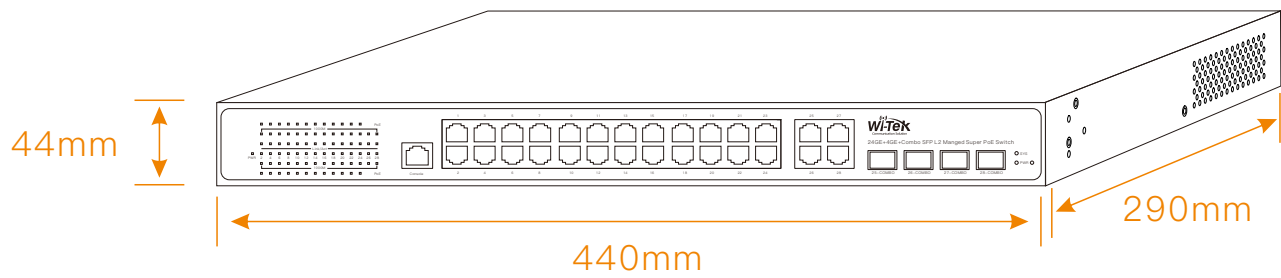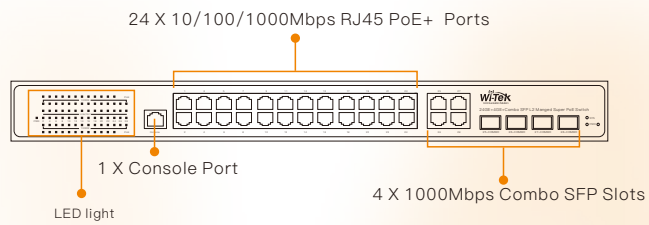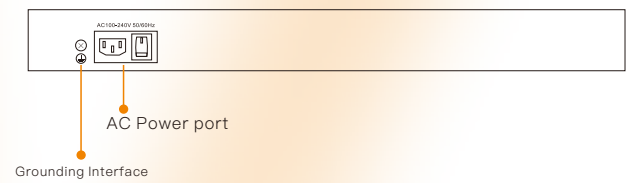
Package Contents

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
Switch	1 pcs
Power Cord	1 pcs
Rack Mount kit (Hooks × 2; Mats × 4; Screws × 8)	1 pcs
Quick Installation Guide	1 pcs

CE FC RoHS ☒ UKCA ⚠

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Technical Support   Cloud Management   Company Website