Datasheet

2.5G Ethernet Switch

WI-PS505G | WI-PS508G | WI-SG505G | WI-SG508G

Overview

Wi-Tek 2.5G Ethernet Switches offer 4/8 ports with 2.5G Gigabit speeds. Based on the terminal type, all downstream ports are automatically compatible with 10M/100M/1G/2.5G. This series also includes a 2.5G PoE switch, which follows IEEE.802.3af/at/bt(Hi-PoE) protocol, supports access to various POE devices, and can be widely used in CCTV, and SMB scenarios. It provides a versatile solution for powering various terminals in mixed scenarios, effectively meeting their power supply requirements.

Features

High speed connection

Build and expand your network with Wi-Tek 2.5G PoE switch, delivering robust performance switching for growing networks.

Easy Installation

No configuration needed, simply connect network devices to the 2.5G Ethernet switch.

Fanless design

Fanless design lowers energy consumption and eliminates operating noise.

Specifications

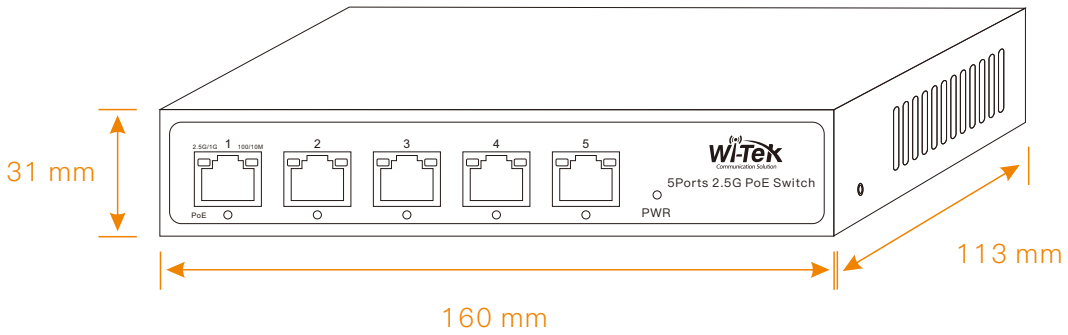
Model	WI-PS505G	WI-PS508G	WI-SG505G	WI-SG508G
Hardware Features				
Interfaces				
Downlink Ports	4 10/100/1000/2500Mbps RJ45 PoE Ports 1 10/100/1000/2500Mbps Ethernet Port	8 10/100/1000/2500Mbps RJ45 PoE Ports	5 10/100/1000/2500Mbps RJ45 Ports	8 10/100/1000/2500Mbps RJ45 Ports
PoE				
PoE Port	Port 1-4	Port 1-8	N/A	
PoE Standard	Port 1: 802.3bt 60W Port 2-4:802.3af/at 30W	Port 1: 802.3bt 60W Port 2-8:802.3af/at 30W	N/A	
PoE Power	60W max for port 1,30W for port 2-4, 65W Max. (PoE power budget)	60W max for port 1,30W for port 2-8, 120W Max. (PoE power budget)	N/A	
Switch Property				
Standards and Protocols	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet) IEEE 802.3bz(2.5Gigabit Ethernet)		IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet) IEEE 802.3bz(2.5Gigabit Ethernet)	
Forwarding Mode	Store and Forward			
Switching Capacity	25 Gbps	40 Gbps	25 Gbps	40 Gbps
Packet Forwarding Rate	18.6Mpps	29.76Mpps	18.6Mpps	29.76Mpps
MAC Address Table	4 k			
Packet Buffer Memory	8.1 MB			
Jumbo Frame	12 kB			
Power Supply				
Input Power	DC 52V 1.25A	DC 52V 2.5A	DC 12V 2A	
Power Consumption	Idle: 5 W 100% Traffic Rate with PoE: 70 W	Idle: 5 W 100% Traffic Rate with PoE: 125 W	N/A	

Model	WI-PS505G	WI-PS508G	WI-SG505G	WI-SG508G
Physical Characteristics				
LED Indicators	**PWR** Solid on: The device power on is normal Off: The device is power off or failed **2.5G/1G** Green : The negotiated rate is 1Gbps working Amber: The negotiated rate is 2.5Gbps Off: The negotiated rate is not 2.5G/1Gbps **100/10M** On: The negotiated rate is 100/10Mbps Off: The negotiated rate is not 100/10Mbps **PoE** On: PoE is working Off: PoE not working		**PWR** Solid on: The device power on is normal Off: The device is power off or failed **2.5G/1G** Green : The negotiated rate is 1Gbps working Amber: The negotiated rate is 2.5Gbps Off: The negotiated rate is not 2.5G/1Gbps **100/10M** On: The negotiated rate is 100/10Mbps Off: The negotiated rate is not 100/10Mbps	
Fan Quantity	Fanless			
Switch Dimensions	160×113×31 mm	221×113×31 mm	160×113×31 mm	221×113×31 mm
Package Dimensions	270*220*67mm	270*220*67mm	270*220*67mm	270*220*67mm
Weight	Net Weight: 0.66 kg	Net Weight: 0.72kg	Net Weight: 0.52 kg	Net Weight: 0.68 kg
	Package Weight: 1.10 kg	Package Weight: 1.46 kg	Package Weight: 0.85 kg	Package Weight: 1.04 kg
Installation	Desktop			
Environmental				
Reliability – Surge Immunity	IEC 61000-4-5 Common mode 6kV Differential mode 2kV			
Reliability – ESD Protection	IEC 61000-4-2 Contact discharge 4kV Air discharge 8kV			
Operating Temperature	-10 ~ 55°C			
Storage Temperature	-40 ~ 75°C			
Operating Humidity	5% ~ 90% RH no condensation			
Storage Humidity	5% ~ 95% RH no condensation			
Certification				
Certification	CE, FCC, RoHS, UKCA, RCM			

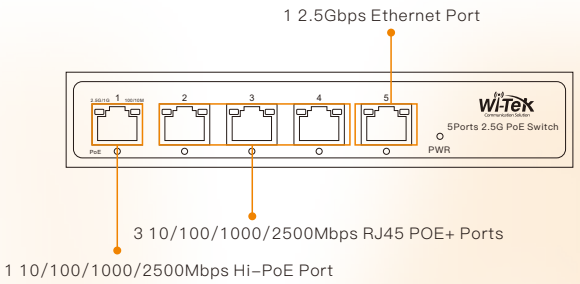
Appearances and Dimensions

WI-PS505G

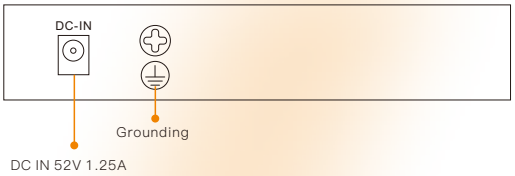
Dimensions (mm)



Front Panel

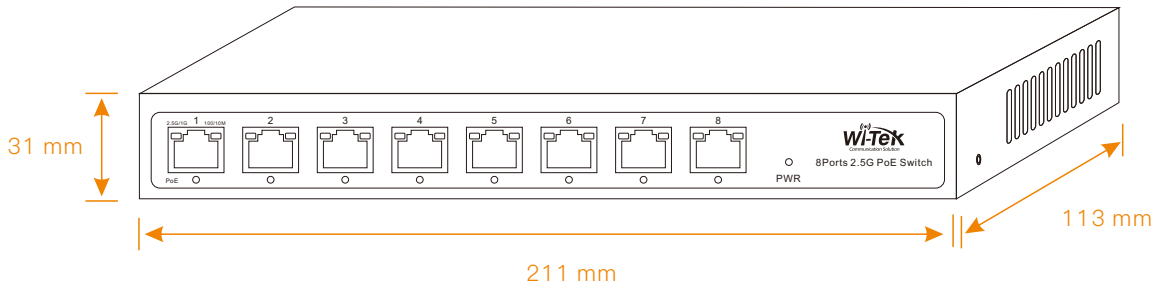


Side Panel



WI-PS508G

Dimensions (mm)



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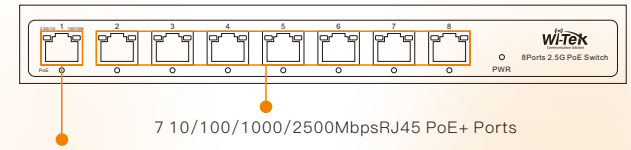
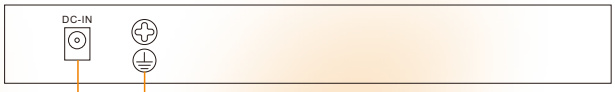


7 10/100/1000/2500MbpsRJ45 PoE+ Ports

1 10/100/1000/2500Mbps Hi-PoE Port

Rear Panel

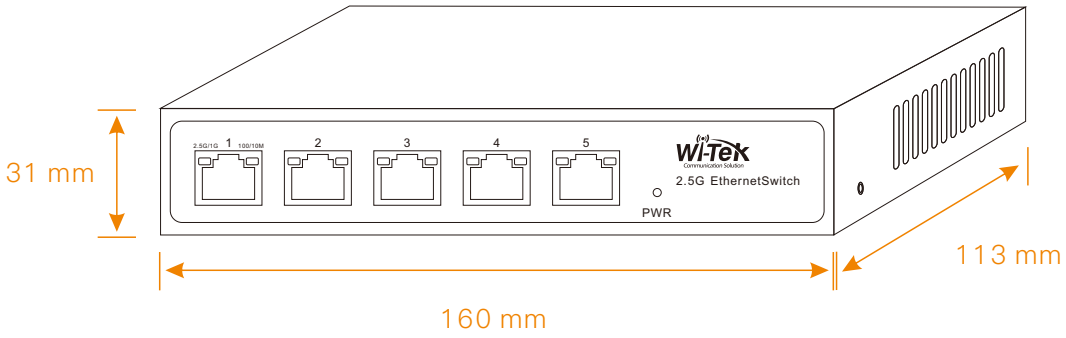


Grounding

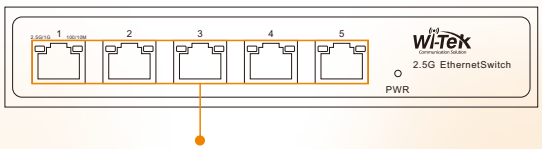
DC IN 52V 2.5A

WI-SG505G

Dimensions (mm)

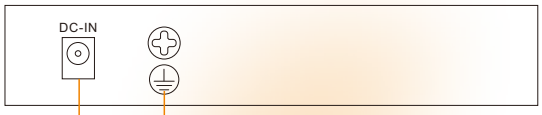


Front Panel



5 10/100/1000/2500Mbps Ethernet Ports

Rear Panel

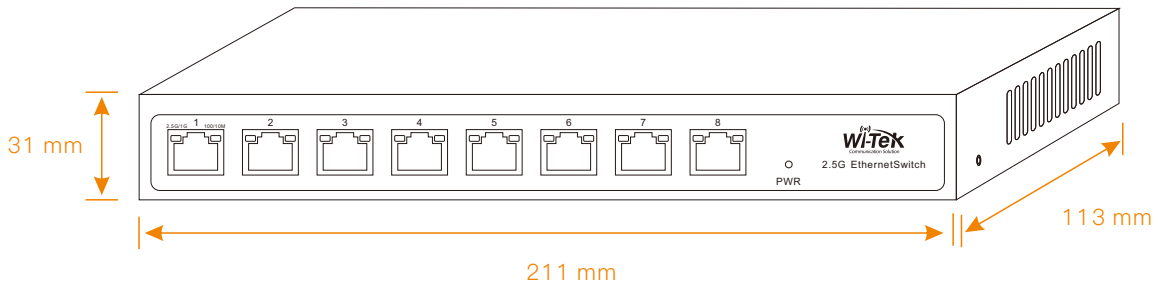


Grounding

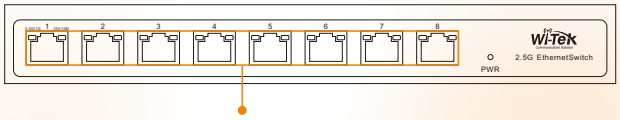
DC IN 12V 2A

WI-SG508G

Dimensions (mm)



Front Panel



8 10/100/1000/2500Mbps Ethernet Ports

Rear Panel

Grounding

DC IN 12V 2A

Package Contents

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

Items	Quantity
Switch	1 pcs
AC Cord(Except WI-SG505G WI-SG508G)	1 pcs
Power Adapter	1 pcs
Quick Installation Guide	1 pcs

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Technical Support | Cloud Management | Company Website

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