

## 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

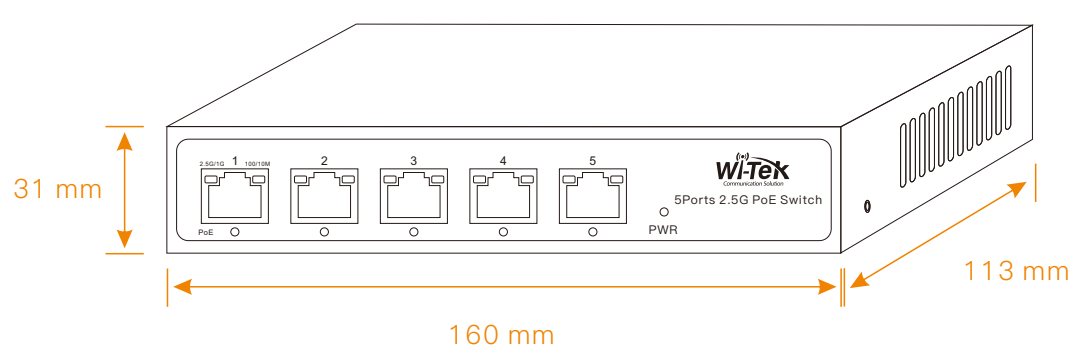
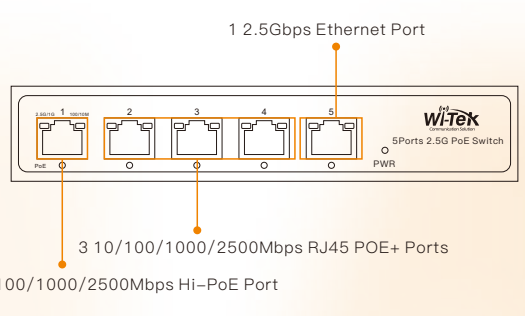
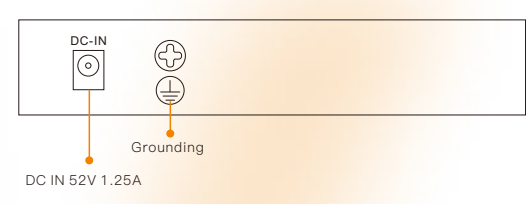


| Model                      | WI-PS505G  | WI-PS508G   | WI-SG505G  | WI-SG508G                            |
|----------------------------|--|---|--|--------------------------------------|
| Hardware Features          |  |   |  |                                      |
| Interfaces                 |  |   |  |                                      |
| Downlink Ports             | 4 10/100/1000/2500Mbps<br>RJ45 PoE Ports<br>1 10/100/1000/2500Mbps<br>Ethernet Port  | 8 10/100/1000/2500Mbps<br>RJ45 PoE Ports                                | 5 10/100/1000/2500Mbps<br>RJ45 Ports   | 8 10/100/1000/2500Mbps<br>RJ45 Ports |
| PoE                        |  |   |  |                                      |
| PoE Port                   | Port 1–4   | Port 1–8  | N/A  |                                      |
| PoE Standard               | Port 1: 802.3bt 60W<br>Port 2–4:802.3af/at 30W   | Port 1: 802.3bt 60W<br>Port 2–8:802.3af/at 30W                          | N/A  |                                      |
| PoE Power                  | 60W max for port 1,30W for<br>port 2–4, 65W Max. (PoE<br>power budget)   | 60W max for port 1,30W for<br>port 2–8, 120W Max. (PoE<br>power budget) | N/A  |                                      |
| Switch Property            |  |   |  |                                      |
| Standards and<br>Protocols | IEEE 802.3 (Ethernet)<br>IEEE 802.3u (Fast Ethernet)<br>IEEE 802.3ab (Gigabit Ethernet)<br>IEEE 802.3bz(2.5Gigabit Ethernet) |   | IEEE 802.3 (Ethernet)<br>IEEE 802.3u (Fast Ethernet)<br>IEEE 802.3ab (Gigabit Ethernet)<br>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<br>100% Traffic Rate with PoE:<br>70 W   | Idle: 5 W<br>100% Traffic Rate with PoE:<br>125 W                       | N/A  |                                      |



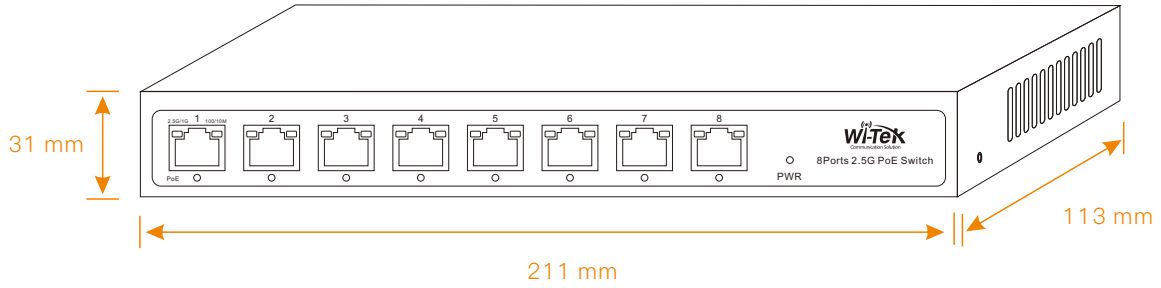
| Model                    |                | WI-PS505G   | WI-PS508G               | WI-SG505G   | WI-SG508G               |
|--------------------------|----------------|---|-------------------------|---|-------------------------|
| Physical Characteristics |                |   |                         |   |                         |
| LED Indicators           |                | <b>PWR</b><br>Solid on: The device power on is normal<br>Off: The device is power off or failed<br><br><b>2.5G/1G</b><br>Green : The negotiated rate is 1Gbps working<br>Amber: The negotiated rate is 2.5Gbps<br>Off: The negotiated rate is not 2.5G/1Gbps<br><b>100/10M</b><br>On: The negotiated rate is 100/10Mbps<br>Off: The negotiated rate is not 100/10Mbps<br><br><b>PoE</b><br>On: PoE is working<br>Off: PoE not working |                         | <b>PWR</b><br>Solid on: The device power on is normal<br>Off: The device is power off or failed<br><br><b>2.5G/1G</b><br>Green : The negotiated rate is 1Gbps working<br>Amber: The negotiated rate is 2.5Gbps<br>Off: The negotiated rate is not 2.5G/1Gbps<br><br><b>100/10M</b><br>On: The negotiated rate is 100/10Mbps<br>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<br>Common mode 6kV<br>Differential mode 2kV   |                         |   |                         |
|                          | ESD Protection | IEC 61000-4-2<br>Contact discharge 4kV<br>Air discharge 8kV   |                         |   |                         |
| Operating Temperature    |                | -10 ~ 55℃   |                         |   |                         |
| Storage Temperature      |                | -40 ~ 75℃   |                         |   |                         |
| Operating Humidity       |                | 5% ~ 90% RH no condensation   |                         |   |                         |
| Storage Humidity         |                | 5% ~ 95% RH no condensation   |                         |   |                         |
| Certification            |                |   |                         |   |                         |
| Certification            |                | CE, FCC, RoHS, UKCA, RCM  |                         |   |                         |

# Appearances and Dimensions

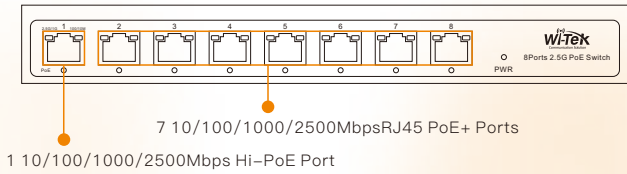
| WI-PS505G  |   |
|--|---|
| Dimensions (mm)  |   |
|    |   |
| Front Panel  | Side Panel  |
|  <p>1 2.5Gbps Ethernet Port</p> <p>3 10/100/1000/2500Mbps RJ45 POE+ Ports</p> <p>1 10/100/1000/2500Mbps Hi-PoE Port</p> |  <p>DC-IN</p> <p>Grounding</p> <p>DC IN 52V 1.25A</p> |

WI-PS508G

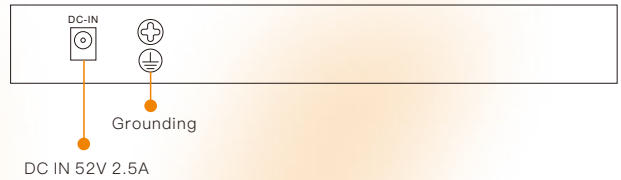
Dimensions (mm)



Front Panel

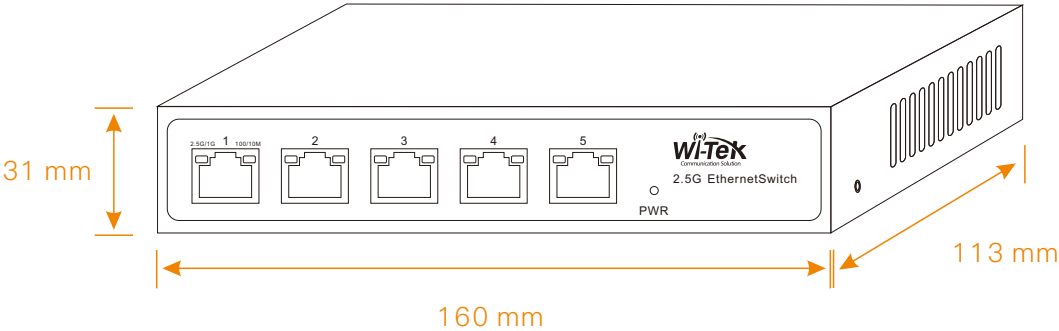


Rear Panel

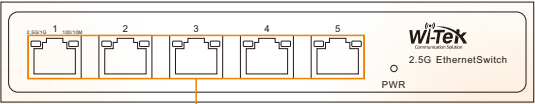


WI-SG505G

Dimensions (mm)



Front Panel



5 10/100/1000/2500Mbps Ethernet Ports

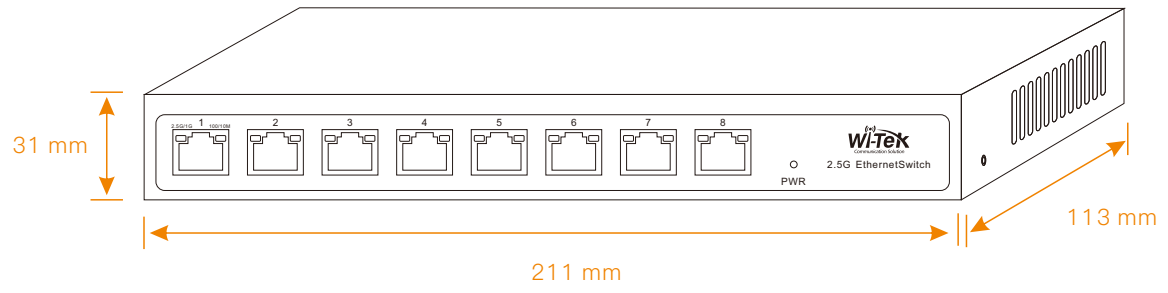
Rear Panel



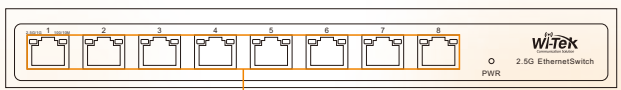
DC IN 12V 2A

WI-SG508G

Dimensions (mm)



Front Panel



8 10/100/1000/2500Mbps Ethernet Ports

Rear Panel



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