

# Gigabit Ethernet Switch

WI-SG105 | WI-SG108 | WI-SG116D | WI-SG124D | WI-SG116  
WI-SG124 | WI-SG116F | WI-SG124F

## Overview

Wi-Tek Gigabit Ethernet Switches provide an easy way to expand your wired network. With all ports support Auto-MDI/MDIX, there's no need to worry about the type of cable to use. Featuring full duplex mode can send and receive data at a rate up to 1000Mbps, making it an ideal choice for expanding your high performance network.

## Features

### Full gigabit access, full-line speed forwarding

All ports support high-speed forwarding, user-flexibly flexible networking, to meet the needs of various scenarios networking, such as hotel, campus, factory dormitory and small and medium-sized enterprises.

### Plug and play, no configuration required

A plug-and-play design lets administrators quickly connect the switch to devices with no hassles, no technician needed. Auto-negotiation on each port senses and adjusts the link speed of a network intelligently to ensure an overall boost in performance and reliability. Convenient for wall-mounted, desktop and rack installations.

### Long service Life with sturdy and durable metal shell

Wi-Tek Gigabit Ethernet Switches are protected by high-quality metal shell to ensure the long service life. They have passed a series of strict tests and provided you with reliable performance.

### Environmentally friendly with your Ethernet

Wi-Tek Gigabit Ethernet Switches make use of innovative energy-saving technologies. Power consumption automatically adjusts according to link status and cable length.



# Specifications



| HARDWARE FEATURES      | WI-SG105                                                                                                                          | WI-SG108                                                                                                                                                                                                             | WI-SG116D                                                                                            | WI-SG124D                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Standards              | IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p                                                                  |                                                                                                                                                                                                                      |                                                                                                      |                                                                                       |
| Interface              | 5 100/1000Mbps RJ45 Ports                                                                                                         | 8 100/1000Mbps RJ45 Ports                                                                                                                                                                                            | 16 100/1000Mbps RJ45 Ports                                                                           | 24 100/1000Mbps RJ45 Ports                                                            |
| Network Media          | 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)<br>100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m) | 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)<br>100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m)<br>1000BASE-X: MMF, SMF 1000Base-L X:62.5µm/50µm MM(2m~550m) or 10µm SMF(2m~5000m) |                                                                                                      |                                                                                       |
| LED Indicator          | PoE/Link/Power                                                                                                                    | PoE/Link/Power                                                                                                                                                                                                       | PoE/Link/Power                                                                                       | PoE/Link/Power                                                                        |
| DIP Switch             | N/A                                                                                                                               | Default / VLAN                                                                                                                                                                                                       | Default / VLAN / CCTV                                                                                | Default / VLAN / CCTV                                                                 |
| Port VLAN              | N/A                                                                                                                               | Yes                                                                                                                                                                                                                  | Yes                                                                                                  | Yes                                                                                   |
| Video Priority         | N/A                                                                                                                               | N/A                                                                                                                                                                                                                  | Yes                                                                                                  | Yes                                                                                   |
| Fan Quantity           | Fanless                                                                                                                           |                                                                                                                                                                                                                      |                                                                                                      |                                                                                       |
| Exchange Capacity      | 1G                                                                                                                                | 16G                                                                                                                                                                                                                  | 32G                                                                                                  | 48G                                                                                   |
| Packet Forwarding Rate | 0.74Mpps                                                                                                                          | 11.9Mpps                                                                                                                                                                                                             | 23.8Mpps                                                                                             | 35.7Mpps                                                                              |
| Mac Address Table      | 2K                                                                                                                                | 4K                                                                                                                                                                                                                   | 8K                                                                                                   | 8K                                                                                    |
| Power Adapter          | 5V/0.5A                                                                                                                           | DC 5-15V                                                                                                                                                                                                             | AC IN: 110-240V                                                                                      |                                                                                       |
| Packet Buffer Memory   | 1Mb                                                                                                                               | 1.5Mb                                                                                                                                                                                                                | 4Mb                                                                                                  | 12Mb                                                                                  |
| Jumbo Frame            | 10240Bytes                                                                                                                        |                                                                                                                                                                                                                      |                                                                                                      |                                                                                       |
| Port VLAN              | No                                                                                                                                | Yes                                                                                                                                                                                                                  | Yes                                                                                                  | Yes                                                                                   |
| <b>OTHERS</b>          |                                                                                                                                   |                                                                                                                                                                                                                      |                                                                                                      |                                                                                       |
| Certification          | CE, FCC, RoHS                                                                                                                     |                                                                                                                                                                                                                      |                                                                                                      |                                                                                       |
| Package Dimension      | 113×115×63 mm                                                                                                                     | 210×170×43 mm                                                                                                                                                                                                        | 250×180×70 mm                                                                                        | 380×215×95 mm                                                                         |
| Switch Dimension       | 88×83×25 mm                                                                                                                       | 140×78×25 mm                                                                                                                                                                                                         | 210×105×45 mm                                                                                        | 305×140×45 mm                                                                         |
| Gross Weight           | 0.32kg                                                                                                                            | 0.49kg                                                                                                                                                                                                               | 1kg                                                                                                  | 1.67kg                                                                                |
| Net Weight             | 0.18kg                                                                                                                            | 0.28kg                                                                                                                                                                                                               | 0.64kg                                                                                               | 1.17kg                                                                                |
| Package Contents       | 1 × Switch<br>1 × Power Adapter<br>1 × Quick Installation Guide                                                                   | 1 × Switch<br>1 × Power Adapter<br>1 × Quick Installation Guide                                                                                                                                                      | 1 × Switch<br>1 × Power Cord<br>1 × Guide Book<br>1 × Rack Mount Kit<br>1 × Quick Installation Guide | 1 × Switch<br>1 × Power Adapter<br>1 × Rack Mount Kit<br>1 × Quick Installation Guide |
| Working Temperature    | -10°C~55°C                                                                                                                        |                                                                                                                                                                                                                      |                                                                                                      |                                                                                       |
| Storage Temperature    | -40°C~70°C                                                                                                                        |                                                                                                                                                                                                                      |                                                                                                      |                                                                                       |
| Working Humidity       | 10%~90% RH non-condensing                                                                                                         |                                                                                                                                                                                                                      |                                                                                                      |                                                                                       |
| Storage Humidity       | 5%~90% RH non-condensing                                                                                                          |                                                                                                                                                                                                                      |                                                                                                      |                                                                                       |



| HARDWARE FEATURES      | WI-SG116                                                                                                                                                                                                             | WI-SG124                                                                 | WI-SG116F                                                                                             | WI-SG124F                                                                                             |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Standards              | IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p                                                                                                                                                     |                                                                          |                                                                                                       |                                                                                                       |
| Interface              | 16 100/1000Mbps RJ45 Ports                                                                                                                                                                                           | 24 100/1000Mbps RJ45 Ports                                               | 16 100/1000Mbps RJ45 Ports<br>2 100/1000Mbps SFP Slots                                                | 24 100/1000Mbps RJ45 Ports<br>2 100/1000Mbps SFP Slots                                                |
| Network Media          | 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)<br>100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m)<br>1000BASE-X: MMF, SMF 1000Base-L X:62.5µm/50µm MM(2m~550m) or 10µm SMF(2m~5000m) |                                                                          |                                                                                                       |                                                                                                       |
| LED Indicator          | PoE/Link/Power                                                                                                                                                                                                       | PoE/Link/Power                                                           | PoE/Link/Power                                                                                        | PoE/Link/Power                                                                                        |
| DIP Switch             | Default/VLAN/CCTV                                                                                                                                                                                                    | Default/VLAN/CCTV                                                        | Default / VLAN / CCTV                                                                                 | Default / VLAN / CCTV                                                                                 |
| Port VLAN              | Yes                                                                                                                                                                                                                  | Yes                                                                      | Yes                                                                                                   | Yes                                                                                                   |
| Video Priority         | Yes                                                                                                                                                                                                                  | Yes                                                                      | Yes                                                                                                   | Yes                                                                                                   |
| Fan Quantity           | Fanless                                                                                                                                                                                                              |                                                                          |                                                                                                       |                                                                                                       |
| Exchange Capacity      | 32G                                                                                                                                                                                                                  | 48G                                                                      | 36G                                                                                                   | 52G                                                                                                   |
| Packet Forwarding Rate | 23.8Mpps                                                                                                                                                                                                             | 35.7Mpps                                                                 | 26.72Mpps                                                                                             | 38.6Mpps                                                                                              |
| Mac Address Table      | 8K                                                                                                                                                                                                                   | 8K                                                                       | 8K                                                                                                    | 8K                                                                                                    |
| Power Adapter          | AC IN: 110-240V                                                                                                                                                                                                      |                                                                          |                                                                                                       |                                                                                                       |
| Packet Buffer Memory   | 4Mb                                                                                                                                                                                                                  | 12Mb                                                                     | 4Mb                                                                                                   | 12Mb                                                                                                  |
| Jumbo Frame            | 10240Bytes                                                                                                                                                                                                           |                                                                          |                                                                                                       |                                                                                                       |
| Port VLAN              | Yes                                                                                                                                                                                                                  | Yes                                                                      | Yes                                                                                                   | No                                                                                                    |
| <b>OTHERS</b>          |                                                                                                                                                                                                                      |                                                                          |                                                                                                       |                                                                                                       |
| Certification          | CE, FCC, RoHS                                                                                                                                                                                                        |                                                                          |                                                                                                       |                                                                                                       |
| Package Dimension      | 510×220×90 mm                                                                                                                                                                                                        | 550×218×93 mm                                                            | 510×220×90 mm                                                                                         | 510×220×90 mm                                                                                         |
| Switch Dimension       | 440×140×45 mm                                                                                                                                                                                                        | 440×140×45 mm                                                            | 440×140×45 mm                                                                                         | 440×140×45 mm                                                                                         |
| Gross Weight           | 2.07kg                                                                                                                                                                                                               | 2.29kg                                                                   | 2.17kg                                                                                                | 2.17kg                                                                                                |
| Net Weight             | 1.45kg                                                                                                                                                                                                               | 1.67kg                                                                   | 1.6kg                                                                                                 | 1.58kg                                                                                                |
| Package Contents       | 1 × Switch<br>1 × Power Cord<br>1 × Quick Installation Guide<br>1 × Rack Mount Kit<br>1 × Rubber Feet                                                                                                                | 1 × Switch<br>1 × Power Adapter<br>1 × Rack Mount Kit<br>1 × Rubber Feet | 1 × Switch<br>1 × Power Cord<br>1 × Quick Installation Guide<br>1 × Rack Mount Kit<br>1 × Rubber Feet | 1 × Switch<br>1 × Power Cord<br>1 × Quick Installation Guide<br>1 × Rack Mount Kit<br>1 × Rubber Feet |
| Working Temperature    | -10°C~55°C                                                                                                                                                                                                           |                                                                          |                                                                                                       |                                                                                                       |
| Storage Temperature    | -40°C~70°C                                                                                                                                                                                                           |                                                                          |                                                                                                       |                                                                                                       |
| Working Humidity       | 10%~90% RH non-condensing                                                                                                                                                                                            |                                                                          |                                                                                                       |                                                                                                       |
| Storage Humidity       | 5%~90% RH non-condensing                                                                                                                                                                                             |                                                                          |                                                                                                       |                                                                                                       |



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Technical Support



Cloud Management



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