

# Hardened PoE Switch

WI-PS206GF-I WI-PS208-I WI-PS206-I WI-PS212GF-I

## Overview

Wi-Tek's hardened PoE switch is designed to provide network transport solution for CCTV market. PoE watchdog smart function, can monitor and recover the operation of IP camera persistently and automatically. 250 meters extend mode design, makes it an ideal choice for long distance PoE transmission application. It support flexible and multiple installation method, such as wall mounting and DIN-Rail mounting method. Redundant power supply design, guarantee its stable and reliable operation.

## Features

### -30°C~65°C operating temperature

-30°C~65°C operating temperature design, guarantee its stable and reliable operation even in harsh environment.

### DIN-rail mounting design

Din-rail mounting design, can perfectly meet the requirements of standard project assembly.

### Smart PoE watchdog function

Smart PoE watchdog function, can monitor and recover the operation of compliant IP camera persistently and automatically.

### Support 90W high power PoE

802.3bt 90W high PoE power can meet more requirement of PoE powered devices, such as speed dome, PTZ dome, etc.



# Specifications

| Products                  | WI-PS206GF-I  | WI-PS208-I   | WI-PS206-I   | WI-PS212GF-I  |
|---------------------------|---|--|--|---|
| Hardware Version          | V1  | V1   | V2   | V1  |
| <b>Ethernet Ports</b>     |   |  |  |   |
| Downlink Ports            | 4*10/100 Base-TX PoE RJ-45(Auto-MDI/MDI-X)                        | 8*10/100 Base-TX PoE RJ-45 (Auto-MDI/MDI-X)                  | 4*10/100 Base-TX PoE RJ-45 (Auto-MDI/MDI-X)                | 8*10/100 Base-TX PoE RJ-45 (Auto-MDI/MDI-X)                     |
| Uplink Ports              | 1*1000 Base-X SFP<br>1*10/100/1000 Base-T RJ-45 (Auto-MDI/MDI-X)  | N/A  | 2*10/100 Base-TX RJ-45(Auto-MDI/MDI-X)                     | 2*1000 Base-X SFP<br>2*10/100/1000 Base-T RJ-45(Auto-MDI/MDI-X) |
| <b>PoE</b>                |   |  |  |   |
| PoE Standard              | Ports 1-4: 802.3 af/at PoE  | Ports 1-2 : 802.3 af/at/bt 90W<br>Ports 3-8: 802.3 af/at PoE | Ports 1 : 802.3 af/at/bt 90W<br>Ports 2-4: 802.3 af/at PoE | Ports 1-8: 802.3 af/at PoE                                      |
| PoE Power Supply Type     | End-span  | Mid-span and End-span  | Mid-span and End-span                                      | End-span  |
| PoE Budget                | 120W  | 360W   | 180W   | 240W  |
| <b>Switch Property</b>    |   |  |  |   |
| Standards                 | IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x   |  |  |   |
| Forwarding Modes          | Store and forward   |  |  |   |
| Packet Buffer             | 3.57M   |  |  |   |
| MAC Table                 | 2K  |  |  |   |
| Switching Capacity        | 4.8Gbps / non-blocking  | 1.6Gbps / non-blocking                                       | 1.2Gbps / non-blocking                                     | 9.6Gbps / non-blocking  |
| Packet Forwarding Rate    | 3.57Mpps  | 1.19Mpps   | 0.89Mpps   | 7.14Mpps  |
| Jumbo Frame               | 10kB  |  |  |   |
| <b>Power Supply</b>       |   |  |  |   |
| Input Voltage             | Power 1, 2, 3: 39~57V DC<br>Non-PoE: 12~39V                       | Power 1, 2, 3: 37~57V DC Non-PoE: 12~39V DC                  |  | Power 1, 2, 3: 39~57V DC<br>Non-PoE: 12~39V                     |
| <b>Reliability</b>        |   |  |  |   |
| Surge Immunity            | 6kV, Standard: IEC6000-4-5  |  |  |   |
| ESD Protection            | 8kV Contact Discharge, 15kV Air Discharge, Standard: IEC61000-4-2 |  |  |   |
| MTBF                      | about 30Wh  |  |  |   |
| MTBF Standards            | Telcordia SR-332, 25°C  |  |  |   |
| Operating Temperature     | -30°C~65°C  |  |  |   |
| Storage Temperature       | -40°C~85°C  |  |  |   |
| Operating Humidity        | 5%~95% (Non-condensation)   |  |  |   |
| <b>Physical Parameter</b> |   |  |  |   |
| Dip Switch                | 250m/VLAN/Watchdog/Priority                                       | Watchdog/EX_1-4/EX_1-6/VLAN                                  | Watchdog/EX_1-2/EX_1-4/VLAN                                | 250m/VLAN/Watchdog/Priority                                     |
| Dimensions (W*D*H)        | 155*113*47mm  | 119*87*28mm  | 119*87*28mm  | 173*135*54mm  |
| Net Weight                | 0.5kg   | 0.5kg  | 0.5kg  | 0.75kg  |
| Installation              | DIN-rail/wall mounted   |  |  |   |
| <b>Certifications</b>     |   |  |  |   |
| Certifications            | CE, FCC   |  |  |   |



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Technical Support



Cloud Management



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