# WT-RS6310-2GF8GT-8POE

## Guide rail managed POE industrial Ethernet switch, with 2 Gigabit fiber ports and 8 Gigabit POE copper ports

- 2 Gigabit trunk fiber ports and 8 Gigabit POE access copper ports are provided
- Fan-free design, operating temperature: -40 ~ 85°C
- IP40-rated protection, shock-resistant aluminum enclosure
- Support for dual power supply redundant backup input, with a wide range of 48-57VDC
- EMC industrial rating level 4 electromagnetic compatibility standard
- WEB interface, dial switch rapid configuration
- Support for one-button recovery of factory settings
- Support for STP/RSTP ring protection, and SNMP V1/V2c network management platform

CE  FC

## Product profile

RS6310-2GF8GT-8POE is a guide rail managed industrial Ethernet switch that provides 2 Gigabit fiber ports and 8 Gigabit POE copper ports via a fan-free and low-power design with industrial rating level 4 and IP40-rated protection. Each product, featuring an operating temperature of -40 - 85°C, superior solidness, design for network communications in harsh applications, high EMI/EMS protection, has been 100% qualified in aging tests.

For example, STP/RSTP, 802.1Q VLAN, QoS function, IGMP static multicast function, port aggregation, port mirroring, loop detection, etc.; support for port configuration, jumbo frame mode, port statistics, speed dial configuration, online upgrade, etc.; support for WEB, SNMP and other access methods. The friendly, simple and convenient interface design of network management system offers a good user experience.

## Product features

- Support the 802.1Q VLAN of 4K range;
- IGMP Snooping for filtering multicast traffic;
- Support the web page management configuration; and hardware one-button recovery of factory settings
- Dual power inputs with a wide range of 9-48 VDC;
- Forced Hundred Megabit and Gigabit rate of fiber port facilitates connection with fiber equipment
- Dial switches enable ringing, port isolation and forced 10M

- QoS (IEEE 802.1p and DSCP) improves data transfer certainty;
- Port mirroring feature assists in online troubleshooting and allows for data analysis and monitoring
- Port aggregation increases bandwidth and enhances the reliability of network connection
- Spanning Tree Protocol STP/RSTP ring redundancy
- Port loop detection reduces the impact of access loop on the entire network
- VIP channel 1-2 ports (POE port QOS priority)

## Product properties

### Applicable standards
IEEE 802.3 10BaseT IEEE 802.3u 100BaseT
IEEE 802.3z 1000BaseFX and 1000BaseT
IEEE 802.3af/802.3at POE
IEEE 802.3x flow control
IEEE 802.1d-2004 STP protocol
IEEE 802.1w RSTP protocol
IEEE 802.1p Qos
IEEE 802.1q VLAN
IGMP Snooping, SNMPv1/v2c
HTTP, DHCP Client

### Switching feature
**Qos queue:** 8          **VLAN-ID:** 1-4094

**Back plane bandwidth: 20** Gbps     **List of MAC addresses:** 8K
**Message buffer size:** 4.1Mbit

### Port
**Fiber port:** 1000 Mbps
**Copper port:** 10/100/1000 Mbps self-adaptive, Full/Half duplex mode, MDI/MDI-X supported.
**LED indicator:** P1, P2, RUN, L/A, POE

### Power source requirement
**Input voltage:** DC 9~48 V (redundancy)
**Full-load power consumption:** 7W (excluding POE)

### Physical properties
**Enclosure:** Aluminum enclosure, IP40-rated protection
**Size:** 142 × 116 × 51 mm
**Weight:** 850 g
**Mounting method:** Guide rail type

### Environmental restrictions
**Working temperature:** -40 ~ 85°C (-40 ~ 185°F)
**Storage temperature:** -40 ~ 85°C (-40 ~ 185°F)
**Relative ambient humidity:** 5 ~ 95% (non-condensing)

### Standards and certification
**EMS:**
IEC61000-4-2(ESD) level 4, IEC 61000-4-4 (EFT) level 4, IEC 61000-4-5(Surge) level 4
**Anti-vibration performance:** IEC 60068-2-6
**Shock resistance:** IEC 60068-2-27
**Free fall:** IEC 60068-2-32
Note: Please go to the official website of Wintop Optical for the latest certification status.

**MTBF** (mean time between failures)
**Time: 500000 h**

### Warranty
**Quality assurance: 5** years

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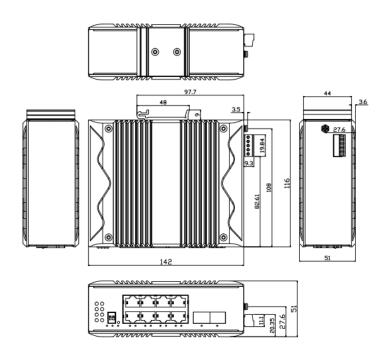
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## Fiber properties

| | 1000BaseFX | |
|---|---|---|
| | **Multimode** | **Single mode** |
| Wavelength | 850 nm | 1310 /1550nm |
| Maximum transmission power | -3 dBm | 0 dBm |
| Minimum transmission power | -8 dBm | -10 dBm |
| Receiving sensitivity | -19 dBm | -22 dBm |
| Link budget | 11 dB | 12 dB |
| Typical distance | 550 m | 20 km |
| Saturation | -3 dBm | -3 dBm |

## Product size (mm)



## Order information

| | Port type | | | |
|---|---|---|---|---|
| **Optical model** | **10/100BaseT** | **10/100/1000BaseT** | **1000BaseFX** | |
| | | | **Single mode** | **Multimode** |
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### Parking list

- Ethernet switch
- Installation accessories
- User's Manual
- Warranty Card & Conformity Certificate

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