

## RS6110-2GF8GT

10-Port DIN-rail managed industrial Ethernet switch, with 2× Gigabit fiber ports and 8× Gigabit copper ports



- Provides 2 ×Gigabit fiber ports and 8× Gigabit copper ports
- Fanless design, IP40 protection level, iron shell
- Supports dual power supply redundant to improve reliability
- Industrial EMC level 4 standard
- Standard command-line interface (CLI) +WEB interface, rapid configuration of network functions
- Supports WT-Ring (recovery time <20ms) and STP/RSTP ring network protection
- SNMP V1/V2c/V3
- Supports factory reset with one click



### Product profile

RS6110-2GF8GT is a DIN-rail managed industrial Ethernet switch that provides 2× Gigabit fiber ports and 8 ×Gigabit copper ports. It adopts fanless, low-power, industrial-grade design with an IP40 protection level. Operating within a temperature range of -40 to 75°C, it boasts exceptional ruggedness, specifically designed for communication networks in harsh environments, with high EMI/EMS protection capabilities.

Each product has undergone 100% aging tests to ensure quality. It supports advanced management and security features such as IGMP snooping, IEEE 802.1Q VLAN, QoS, port mirroring, SNMP, RMON, etc. Additionally, features like Link Aggregation, WT-Ring, STP/RSTP are available for redundancy backup, enhancing network reliability and availability.

### Product features

- Supports the 802.1Q VLAN of 4K range;
- IGMP Snooping for filtering multicast traffic;
- Supports SSH remote secure management configuration;
- Supports 1 relay output, support power supply, port, temperature alarm;
- QoS (IEEE 802.1p and DSCP) improves data transfer certainty;
- RMON provides more effective network monitoring and predictive capabilities
- Port mirroring feature assists in troubleshooting online.
- Supports IP+MAC binding;

### Product properties

#### Applicable standards

IEEE 802.3 10BaseT IEEE 802.3u 100BaseT  
IEEE 802.3z/ab IEEE 802.3x flow control  
IEEE 802.1d-2004 STP protocol  
IEEE 802.1w RSTP protocol  
IEEE 802.1p Qos IEEE 802.1q VLAN  
IEEE 802.3ad

#### Protocols

IGMP Snooping, SNMPv1/v2c/v3, TFTP, NTP, SNTP, RMON,  
HTTP, HTTPS, SSH, Telnet, Syslog, LLDP, LACP, WT-Ring, STP,  
RSTP, EEE

#### Switching feature

Qos queue: 8 VLAN-ID: 1-4094

Back plane bandwidth: 20 Gbps List of MAC addresses: 8K

Message buffer size: 4Mbit

#### Port

Console port: RS-232 (port type: RJ45 slot)

Fiber port: 1000Mbps (port type: SFP slot)

Copper port: 10/100/1000Mbps self-adaptive, Full/Half duplex mode,  
MDI/MDI-X supported.

LED indicator: PWR, ALM, RUN, Link/Act, SPD

#### Power source requirement

Input voltage: Supports dual power redundant, DC9~48V

#### Power consumption

Full-load power consumption ≤10W

#### Physical properties

Enclosure: Iron shell, IP40-rated protection

Size: 135mm\*128mm\*55mm

Weight: 850 g

Mounting method: DIN rail

#### Environmental restrictions

Working temperature: -40 ~ 75°C (-40 ~ 167°F)

Storage temperature: -40 ~ 85°C (-40 ~ 185°F)

Relative ambient humidity: 5 ~ 95% (non-condensing)

#### Standards and certification

EMI:

FCC Part 15/CISPR22 (EN55022) : Class A

EMS:

IEC61000-4-2 (ESD) Level 4, IEC 61000-4-3 (RS) Level 3, IEC  
61000-4-4 (EFT) Level 4, IEC 61000-4-5 (Surge) Level 4,  
IEC 61000-4-6 (CS) Level 3

Anti-vibration performance: IEC 60068-2-6

Shock resistance: IEC 60068-2-27

Free fall: IEC 60068-2-32

Certification: CE, FCC, RoHS

MTBF (mean time between failures)

Time: 500000 h

#### Warranty

Quality assurance: 5 years

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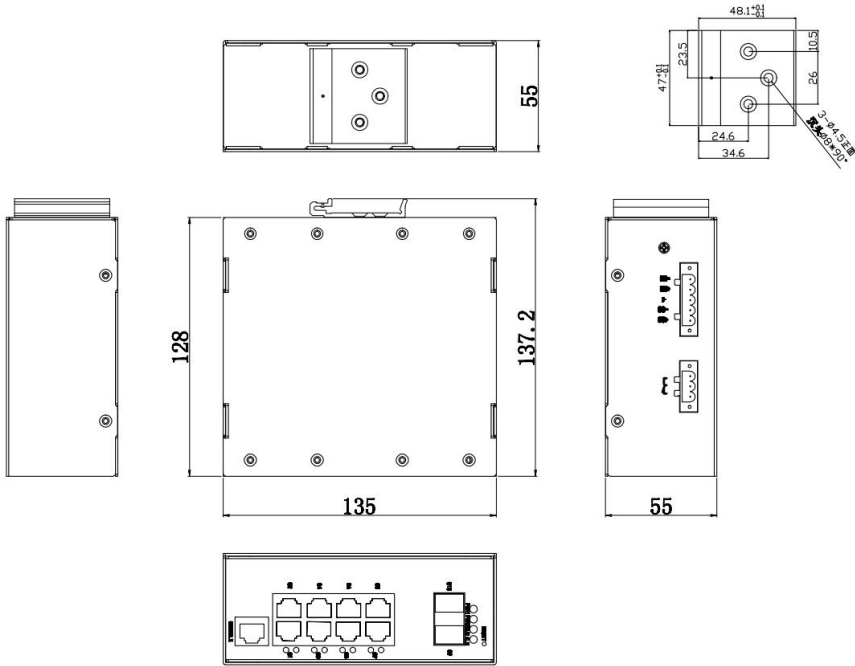
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### Fiber properties

	1000BaseFX	
	Multi mode	Single mode
Wavelength	850 nm	1310 /1550nm
Maximum transmission	-3 dBm	0 dBm
Minimum transmission	-9 dBm	-10 dBm
Receiving sensitivity	-19 dBm	-22 dBm
Link budget	10 dB	12 dB
Typical distance	550 m	20 km
Saturation	-3 dBm	-3 dBm

### Product size (mm)



Order information			
Optical model	Port type		
	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