

RS235-1F4T

5-port industrial Ethernet switch, with 1 Megabit fiber port and 4 Megabit copper port



- 1 Megabit trunk fiber port and 4 Megabit access copper ports are provided
- The copper ports support 10/100Mbps self-adaptation; all ports support MDI/MDIX
- Dial switch with one button for VLAN separation, storm suppression
- Applicable voltage range DC9~48V, dual redundant power supply
- EMC industrial rating level 4 electromagnetic compatibility standard
- Having IP40 rated aluminum enclosure and strong shock-resistant rail base
- Applicable for operation at the ambient temperature of -40℃~85℃



Product profile

RS235-1F4T is an industrial switch with extended temperature ranges developed by Wintop Optical to fulfill needs in industries including smart traffic, expressways, smart cities, safe cities, new energy, smart manufacturing, and so on. The one Megabit trunk fiber port and four Megabit access copper ports provide a high packet forwarding rate and an ample back plane bandwidth, making the transmission of images clear and smooth.

Having an IP40 rated aluminum enclosure, a rail base designed to withstand severe vibration, and good EMC electromagnetic compatibility, this series of product is capable of working stably and reliably in extreme-temperature (-40°C to 85°C) and rugged industrial environments.

Product

- 1 Megabit fiber port, 4 Megabit copper ports;
- Capable of working with full load under the temperature of -40 ~ 85 °C;

- The voltage ranges between DC9~48V, and dual redundant power supply is provided;
- IP40-rated protection, fan-free design, shock-resistant aluminum enclosure;
- Dial switch with one button for VLAN separation, storm suppression

Product properties

Applicable standards

IEEE 802.3 10BaseT

IEEE 802.3u 100BaseT and 100BaseFX

Switching feature

Back plane bandwidth: 1 Gbps

List of MAC addresses: 2K

Port

Megabit fiber port: 100Mbps (port type: LC)

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

LED indicator: PWR, L/A

Power source requirement

Input voltage: DC9~48V (redundancy)

Full-load power consumption: 2.3W

Input current: Up to 400 mA

Physical properties

Enclosure: Aluminum enclosure, IP40-rated protection

Size: 116 x 85 x 37 mm

Weight: 430 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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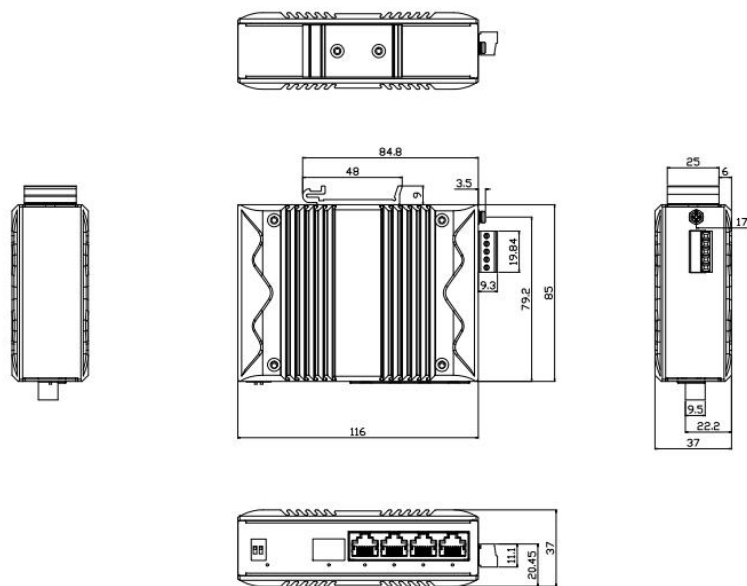
Rev 1.0

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Fiber properties

	100BaseFX	
	Multimode	Single mode
Wavelength	850 nm	1310 /1550 nm
Maximum transmission	-3 dBm	0 d Bm
Minimum transmission	-8 dBm	-15 dBm
Receiving sensitivity	-19 dBm	-32 dBm
Link budget	11 dB	17 dB
Typical distance	2 km 550 m	20 km
Saturation	-3 dBm	-3 dBm

Product size (mm)



Order information

Optical model	Port type		
	10/100BaseT	10/100/1000BaseT	100BaseFX
			Single mode Multimode
RS235-1F4T	4	—	1

Packing list

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