

3-port 10/100M Ethernet+ 2-port 100M FX+ 2-port RS232/485/CAN, Managed

➤ Features

- Support 3-port 10/100M RJ45+ 2-port 100M FX+ 2-port RS232/485/CAN;
- Support static multicast filtering, IGMP Snooping;
- Support MW-Ring redundancy technique (failure recovery time <20ms);
- Support STP/RSTP/MSTP;
- Support managed function such as VLAN, QoS, Trunking, and port mirroring;
- Support CLI, WEB, Telnet, SNMP management;
- Support firmware upgrade online;
- Support relay alarm output;
- Support indicator status display;
- Support IP40 protection, aluminum alloy shell, fanless design;
- Support Broadcast storm suppression;
- Support dual DC12-48V power supply;
- Power supply input support anti-reverse protection and non-polarity;
- Support over Voltage, over current, EMC protection;
- Support -40-75°C wide operating temperature range;
- DIN-Rail or wall Installation;
- Warranty:5years



➤ Introduction

UPCOM IES305-2F-202 is a rugged industrial grade, Din-Rail, layer2, Managed Ethernet switch which supports 3-port 10/100M Base-T(X) +2-port 100Base-FX +2-port RS232/485/CAN. It provided some kinds of advanced network managed function, such as: MW-Ring redundancy technology (failure recovery time<20ms), VLAN, multicast, Quality of Service, Speed control, port mirroring, fault alarm and firmware remote update, also support CLI, WEB, Telnet, SNMP management, provide a user-friendly web console interface for easy configuration.

IES305-2F-202 adopts standard Industrial design, IP40 protection, aluminum alloy shell, support Din-rail or wall installation, fanless design, EMC level 4 protection, dual power DC12-48V, can satisfied the requirement of various industrial applications such as Industrial automation, smart grid, rail transportation industry, safely city, and new energy, etc.

➤ Application

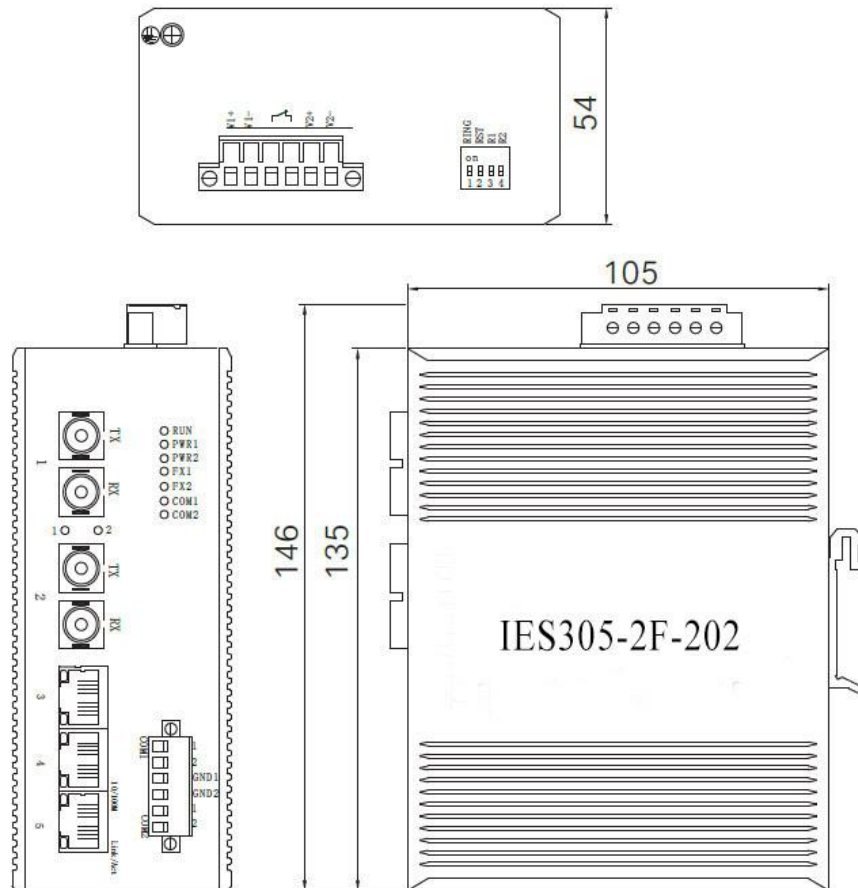
- Intelligent Transportation System
- Industrial Automation
- Security Surveillance
- New Energy and Utilities
- Data Center Network
- Electric Power Industry
- Smart City

➤ Specification

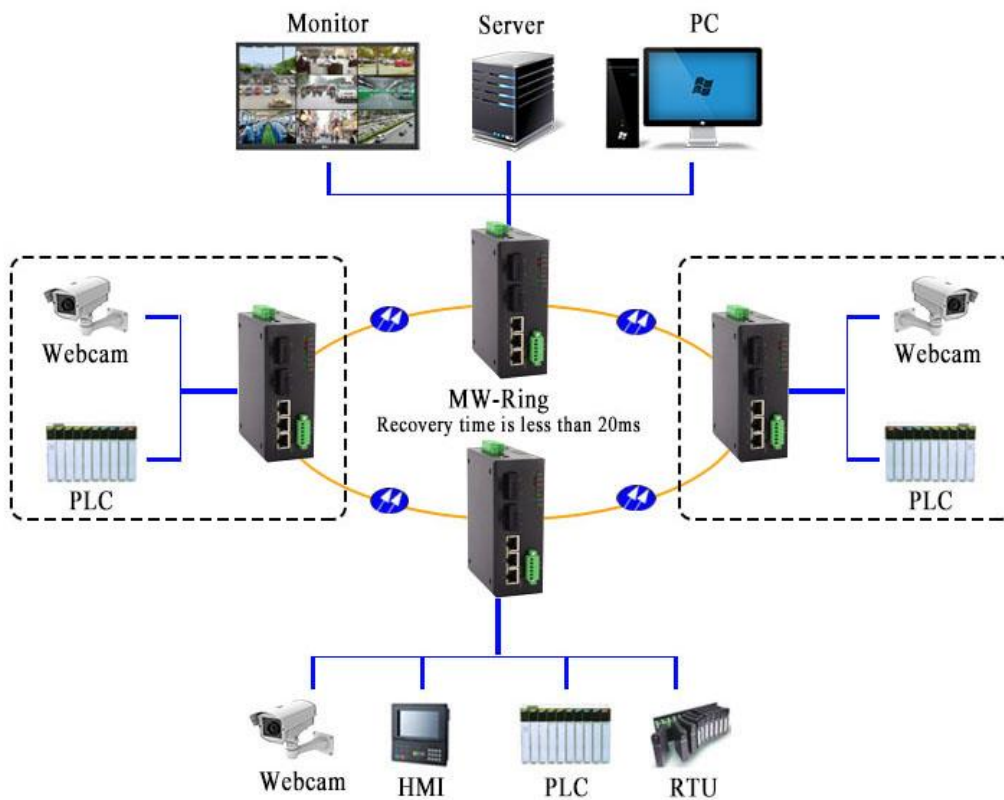
Specification	
Product Name	5-port Din-Rail Managed Industrial Ethernet switch with 2-port RS-232/RS-485
Product Model	IES305-2F-202
Port Definition	3-port 10/100M Base-T(X) +2-port 100Base-FX +2-port RS232/485/CAN + 1 Console port
Serial port	Port numbers: 2 port RS232 or RS485
	Connector: 6-core locking 3.08mm terminal block
	Baud rate:300-115.2Kbps
CAN port	Port numbers: 2
	Connector: 6-core locking 3.08mm terminal block
	Baud rate: 1MB/s(MAX)
Console port	RS232/RJ45
Terminal block for power input	5.08mm terminal block
Software Function	
Redundancy protocol	Support MW-Ring redundancy and the recovery time<20ms
	Support STP/RSTP
Multicast routing	Support IGMP snooping/ IGMP v1/v2/v3
	Support GMRP
	Support static multicast
Management and maintenance	Support Console and Web management
	Support SNMPv1/v2c
	Support unified PC software management
Ethernet Standard	IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.1p -Class of Service
Switch capability	
Priority Queues	4
VLAN Number	1-4096
IGMP Groups	256
MAC Table Size	4K
Backplane bandwidth	1Gbps
Switch Delay	<5μs
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Multi-mode fiber	10/100Base multi-mode: 850nm 2km

Single mode fiber	10/100Base single mode: 1310nm 20km; 1550nm 40/60/80/100/120km
LED indicator lights	
Front panel LED lights	Power States LED;
	10/100BaseF(x) LED
	10/100BaseT(x) LED
	Data LED
Restart button	Support
Reset	Support
Ring dialing code	Support
Power	
Input power	Dual power DC12-48V
Working Environment	
Operating Temperature	-40°C~75°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95% (non-condensing)
Physical Characteristics	
Shell	IP40 protection, aluminum alloy shell
Installation	35mm din-rail Installation
Dimension	54mm*138mm*110mm
Industry standard	
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Warranty	
Warranty	5 Years
Certification	CE, FCC, RoHS

➤ Dimension



➤ Connection



➤ Ordering Information

Model NO.	Description
IES305-F-102	4-port 10/100Baes-T(X) + 1-port 100Base-FX +2-port RS232, DC12-48V
IES305-F-202	4-port 10/100Baes-T(X) + 1-port 100Base-FX +2-port RS485, DC12-48V
IES305-F-302	4-port 10/100Baes-T(X) + 1-port 100Base-FX +2-port CAN, DC12-48V
IES305-2F-102	3-port 10/100Baes-T(X) + 2-port 100Base-FX +2-port RS232, DC12-48V
IES305-2F-202	3-port 10/100Baes-T(X) + 2-port 100Base-FX +2-port RS485, DC12-48V
IES305-2F-302	3-port 10/100Baes-T(X) + 2-port 100Base-FX +2-port CAN, DC12-48V

➤ Packing List

- Industrial Ethernet Switch *1
- User manual * 1
- Certificate of quality * 1
- Warranty card * 1