

# IES605-1F-2D(RS-485)

5 ports Industrial managed Ethernet switches with 2 ports RS485/422

## Features

- 1.Support 4 ports 10/100Mbps Ethernet and 1 port 100M fiber port and 2 ports RS485/422
- 2.SW-Ring (recovery time < 20 ms at full load)
- 3.Support 2 port RS232 to Ethernet
- 4.Support AT command
- 5.Support alarm output
- 6.Support WEB setting, east to management
- 7.Accord to Industrial 4 grades.
- 8.IP30 protect grade, high strength iron shell, DIN Rail installation.



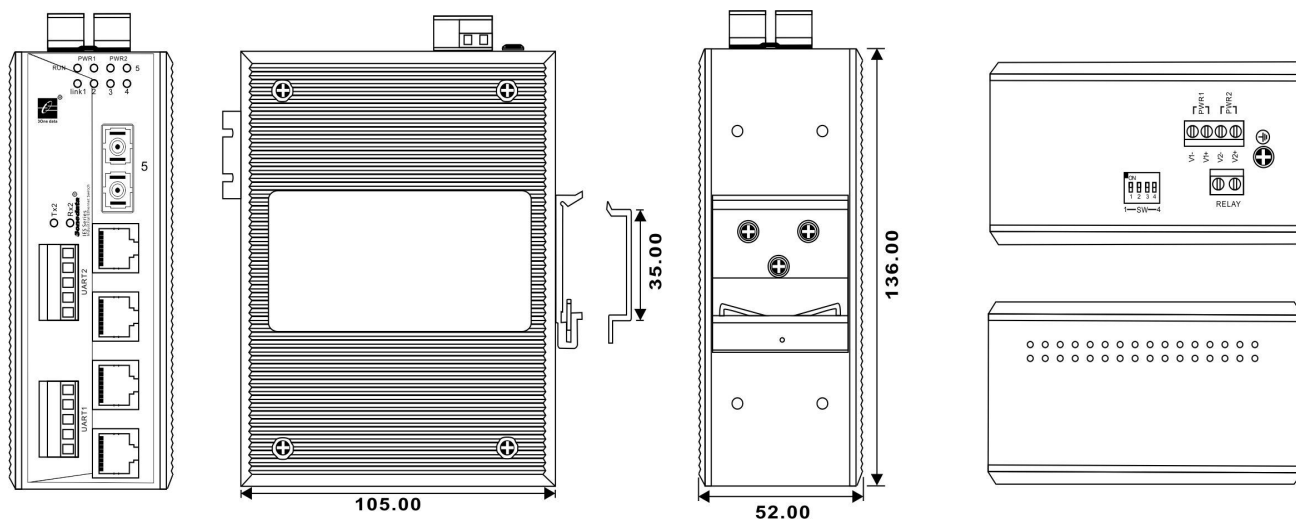
## Introduction

IES605-1F-2D(RS-232) industrial Ethernet switches integrated serial device server function, it adopt SW-Ring redundant technology (Recovery time<20ms), users can set the redundant easily to increase network reliability, furthermore, IES605-1F-2D can support 2 ports RS485/422, AT command and alarm output, It adopted no fan, low power consumption design, IP30, corrugate high strength iron shell,

the performance is more steadily. It accorded with CE, FCC standard and Industrial 4 grades, DIN rail installation and wide operating temperature (-40~75C), it can satisfied some kinds of industrial environment, it can provide reliable and quickly solution for your Ethernet device.

## Dimension and appearance

Unit(mm)



## Specification

### Technology:

Single-mode: 20, 40, 60, 80, 120Km

### Standard:

Multi-mode: 2Km

IEEE802.3, IEEE802.3u, IEEE802.3x

Wavelength: 1310nm, 1550nm

### Flow control:

Ethernet port: 10/100Base-TX, RJ45, full/half duplex  
and MDI/MDI-X self-adaption

IEEE802.3x, back pressure control

### Interface:

#### Alarm terminal block:

Fiber port: 100Base-FX, SC/ST optional

2 bits 7.62mm terminal block,

1 relay alarm output,

Electric load capacity: 1A@30VDC

RS485/422: 5 bits terminal block

#### Exchange of attribute:

Transmission: store and forward

Bandwidth: 12G

Memory: 1Mbits

MAC address: 2K

#### Indicator:

Working: Run

Interface: Link1~5

Power supply: PWR1, PWR2

RS232 data: TX, RX

#### Power supply:

Power input: 24VDC (12~48VDC)

Terminal block: 3 bits 7.62mm terminal block

No-load power consumption: 1.7W@24VDC

Full-load power consumption: 2.4W@24VDC

Support redundant protection

Support over-current protection

Support reverse connection protection

#### Environmental

Operating Temperature: -40 to 75°C

Storage Temperature: -45°C to 85°C

Ambient Relative Humidity:

10 to 95% (non-condensing)

#### Mechanical:

Shell: IP30, high strength iron shell.

Installation: DIN Rail

Weight: 900g

Dimension(W×H×D): 136 mm×52mm×105mm

#### Standard:

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), Level 4

EN61000-4-3 (RS), Level 3

EN61000-4-4 (EFT), Level 4

EN61000-4-5 (Surge), Level 4

EN61000-4-6 (CS), Level 3

EN61000-4-8, Level 5

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

#### Warranty:

Warranty time: 5 years

#### Certification:

CE, FCC, RoHS, PAL, UL508(pending)

## Ordering information

Option model	Port				Power
Standard model	100M Ethernet	100M fiber (SC/ST/FC)	Serial port		12~48VDC
		SM or MM	RS-232	RS-485/RS-422	
IES605-1F-2D(RS-485)	4	1	—	2	
IES605-1F-2D(RS-232)	4	1	2	—	
IES605-2F-2D(RS-232)	3	2	2	—	
IES605-2F-2D(RS-485)	3	2	—	2	
IES605-2D(RS-485)	5	—	—	2	
IES605-2D(RS-232)	5	—	2	—	