5*1000base Industrial Ethernet Switch (ODOT-ES305G)

◎Product Feature

- ● Quality integrated optoelectronic modules provide excellent optical and electrical properties
- ●Ensures reliable data transmission and long service life
- ●Supports double or half duplex with auto-negotiation
- ●The network port supports automatic cross recognition
- ● Embedded store and forward system, supports a variety of protocols
- ● Complies with industrial operation standards, the average trouble-free working time is 300,000hrs
- ●Power：DC 12-52V reverses connection protection
- ●Lightning surge protection (Power)：5000A (8/20μs)

◎Product description

ODOT-ES305G is a 1*1000 base uplink Ethernet port + 4*1000 base downlink Ethernet port industrial Ethernet switch, which supports 1 pcs of 10/100/1000Base-TX uplink Ethernet ports and 4 pcs of 10/100/1000Base-TX downlink Ethernet ports. It conforms to FCC, CE and ROHS standards. And its WTP range is - 40 ~ 85 ℃ with robust design and can adapt to various kinds of rugged environment. It can also be conveniently placed in a compact control panel. With the Din-rail, wide Temperature Range Design and a shell of IP40 plus LED indicator, these cause ODOT-ES305G to become a plug and play industrial level device and it could provide reliable and convenient solution for user's Ethernet device networking.

◎Product technology parameter

Product Name：

5*1000 base industrial Ethernet switch

Product Model：

ODOT-ES305G

Product Description：

1*1000 base uplink Ethernet port + 4*1000 base downlink Ethernet port industrial Ethernet switch

Port Description：

5 RJ45 ports

RJ45 Ports：

10/100/1000BaseT （X） Auto- detected，full/half duplex, MDI/MDI-X AUTO sense

Ethernet Standard：
IEEE802.3 10BASE-T; IEEE802.3i
10Base-T;IEEE802.3u;100Base-TX/FX;IEEE802.3ab
1000Base-T; IEEE802.3z 1000Base-X;IEEE802.3x;
IEEE802.3af; IEEE802.3at;

Working Environment：
Working Temperature：-40～85 ℃（-40～185 ℉）
Storage Temperature : -40～85 ℃（-40～185 ℉）
Relative Humidity : 5%～95%(No condensation）

Industrial Standard：

EMI ：FCC Part 15 Subpart B Class A，EN 55022 Class A

EMS:

IEC(EN)61000-4-2(ESD) : ±8kVcontact discharge, ±15kV air discharge

IEC(EN)61000-4-3(RS) : 10V/m(80～1000MHz)

IEC(EN)61000-4-4(EFT) : Power line : ±4kV ; Data line : ±2kV

IEC(EN)61000-4-5(Surge) :Power line : ±4kV CM/±2kV DM ; Data line:±2kV

IEC(EN)61000-4-6(radio frequency transmission) : 3V(10kHz～150kHz),10V(150kHz～80MHz)

IEC(EN)61000-4-16(common-mode transmission) : 30V cont. 300V,1s

IEC(EN)61000-4-8

Shock ：IEC 60068-2-27

Freefall ：IEC 60068-2-32

Vibration ：IEC 60068-2-6

Switch Attribute:

Packet buffer ：512 kbit

MAC address table: 1K

Power consumption：〈3W

Power Supply：

Input Voltage：DC12-52V（Dual power redundancy backup）

Accessed Terminal：Phoenix terminal

Supports dual power redundancy

Supports built-in overcurrent 4.0A protection
Supports reversed polarity protection

Mechanic：

Shell：IP40 protection, metal shell

Installation：DIN-rail, wall-mounted

Heat dissipation：Natural cooling without fans

Weight：0.36Kg

Size：118 x 86 x 39mm （L x W x H）

LED Indicator：

Power indicator： PWR
Interface indicator： Ethernet port（Link）

Protection Level：

IP40

Certificate：

Certification : CE、FCC、Rohs、ISO9001：2008, Ministry of

Information network permit and Inspection report of the Ministry of
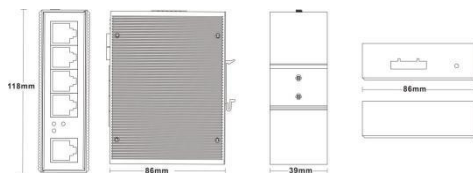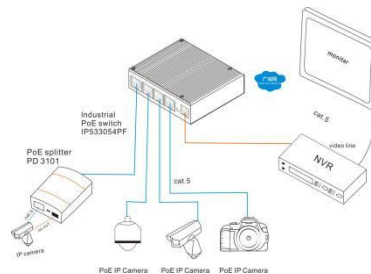
Public Security

Security：UL508

Mean free error time：

300,000 hours

Guarantee：

5 years

◎Production dimension

L x W x H (mm): 118 x 86 x 39mm

◎Product application diagram

◎Ordering model information

Model		Description
ODOT-ES305G		5*1000 base industrial Ethernet switch, DIN-Rail, Powering with DC12-52V, WTP(-40～85 ℃), CE-ROHS-FCC, Ministry of Information network permit and Inspection report of the Ministry of Public Security
Power Adapter	**ODOT 5121-DC**	12V/1A, suitable for Non-POE industrial switch series
	ODOT 5241-DC	24V/1A, suitable for Non-POE industrial switch series
	ODOT 5481-DC	48V/1A, suitable for 1 port interior POE power supply and Non-POE industrial switch series