

**2*100base optical+4*100base Ethernet
Unmanaged Industrial Switch
(ODOT-ES324FP-SC20)**



◎Product Feature

- Quality integrated optoelectronic modules provide excellent optical and electrical properties
- Ensures reliable data transmission and long service life
- Supports full or half duplex mode with auto-negotiation function
- 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 reverse connection protection
- Applied with SC/FC/ST fiber port
- Lightning surge protection (Power): 5000A(8/20 μs)

◎Product description

ES324FP-SC20 is a network unmanaged industrial Ethernet switch, which conforms to FCC, CE and ROHS standards. It supports 4 PCs of 10Base-T/100Base-TX Ethernet ports and 2 PCs of 100Base-X optical ports. And its WTP range is -40 ~ 85 °C 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, this makes ES324FP-SC20 to become a plug and play industrial device and it can provide reliable and convenient solution for user's Ethernet work.

◎Product technology parameter

Product Name:

Unmanaged industrial Ethernet switches

Product Model:

ES324FP-SC20

Port Description:

4 RJ45 ports + 2 optical ports

RJ45 Ports:

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

Fiber ports:

100BaseFX port (SC/FC/ST optional)

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;

Working Environment:

Working Temperature: -40~85 °C (-40~185 °F)

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

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, ±15kVair 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

Switch Attribute:

Application level: Layer2 Backboard total bandwidth: 3.432Gbps

Complete packet forwarding rate: 1.8088Mpps

MAC address table size : 1K

Packet buffer size: 512K

Switching delay: <3μs

switch method: store-forward

Power consumption: <3W

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: 0.64Kg

Size: 143 x 101 x 44mm (L x W x H)

LED Indicator:

Power indicator: PWR

Interface indicator : Electrical port and optical port
(Link/ACT)

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:

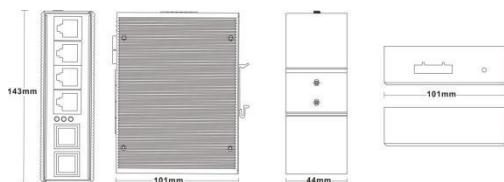
300,000 hours

Guarantee:

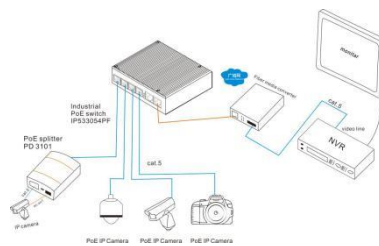
5 years

©Production Dimension

L x W x H (mm): 143 x 101x 44mm



©Production application diagram



©Ordering Model Information

Model		Description
ES324FP-SC20		2*100base optical port +4*100base Ethernet port, SC Connector, SM DX, 20KM, Din Rail, DC10~52V Power
Power Adapter	5121-DC	Suitable for non-poe industrial switch series.
	5241-DC	Suitable for non-poe industrial switch series
	5521-DC	Suitable for 1 port limited POE power supply and non-poe industrial switch series