

# TELECOM/DATACOM SYSTEM

## 8 Ports 10/100M Industrial Ethernet Switch with 6x RJ45 & 2x 100M FX

LI0F8-2FX is a 6\*10/100M RJ45 ports and 2\*100M SC ports. By default, the SC port 1310nm/20km single-mode dual-fiber module. It can support DC dual redundant power input and DIN rail mounting.

LI0F8-2FX has excellent industrial field environment adaptability (mechanical stability, climate adaptability, electromagnetic environment adaptability, etc.), protection level is IP40, it support for dual power supply, low power consumption, no fan cooling technology, unmanaged models, plug and play, no configuration, easy to use. It is suitable for industrial scenes such as intelligent transportation, rail transit, power industry, mining, petroleum, shipping, metallurgy and green energy construction to form a cost-effective, stable and reliable communication network.



### FEATURES

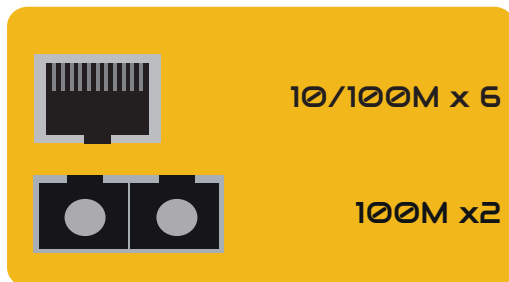
- 6x RJ45 & 2x 100M SC
- Support full-duplex based on IEEE802.3x and half-duplex based on backpressure, non-blocking wire-speed forwarding
- Low power consumption, no fan, aluminum casing, CCC, CE, FCC, RoHS
- IP40 protection
- Support Din Rail Mount
- RJ45 Ports AUTO Negotiation/AUTO MDI/MDIX
- MAC address table of auto-learning and auto-aging
- Supports full-duplex and half-duplex auto-negotiation
- LED indicators for monitoring power, link, activity

### SPECIFICATIONS

Number of RJ45 ports (10/100Base-TX)	6
Number of 100M SC ports	2
	2 set of V+, V- redundant DC power interface (5P Phoenix terminal)
Ethernet Port	Port 1-6 support 10/100Base-TX, auto-sensing, Full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) ; 100BASE-T: Cat5e or later UTP(≤100 meter)
SC Slot Port	Default optical module is single-mode dual-fiber 20km, SC interface
Optical Cable/ Distance	Multi mode: 850nm, 0 ~ 550M, 1310nm, 0~2km ; single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, ; IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX ; IEEE802.3x
Forwarding Mode	Store-And-Forward
Switching Capacity	11.6Gbps
Forwarding Rate@64byte	1.19Mpps
MAC	1K
Buffer Memory	768K
Jumbo Frame	1632byte
LED Indicator	Power: PWR (green), network: Link(yellow), Fiber port :L/A (green)
Power Consumption	Standby<4W, Full load<8W
Power Supply	No, optional 24V24W industrial power supply
Working Voltage	12-48VDC; 5P industrial Phoenix terminal, support anti-reverse protection.
Operating temperature	-40 to 80 °C
Storage temperature	-40 to 85 °C
Operating humidity	5 ~ 95% non condensation
Dimensions	145x134x47mm
Weight	1kg
Installation	Desktop, DIN rail

Certification	
<i>Lightning protection / protection level</i>	Lightning protection: 6KV 8/20us; Protection level: IP40
	IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge ;IEC61000-4-3(RS):10V/m(80-1000MHz);
	IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV ;IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV;
	data cable:±4kV ; IEC61000-4-6(radio frequency transmission):10V(150kHz-80MHz) ;
	IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s;
	IEC61000-4-9(pulsed magnet field):1000A/m ; IEC61000-4-10(damped oscillation):30A/m 1MHz
	IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV ; IEC61000-4-16(common-mode transmission):30V; 300V,1s
	FCC Part 15/CISPR22(EN55022):Class A ; IEC61000-6-2(Common Industrial Standard)
<i>Mechanical Properties</i>	IEC60068-2-6 (anti vibration) ; IEC60068-2-27 (anti shock) ; IEC60068-2-32 (free fall)
<i>Certification</i>	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS;

## FUNCTIONAL DIAGRAM



## ORDERING INFORMATION

PN	DESCRIPTION
LIOF8-2FX	8 Ports 10/100M Industrial Ethernet Switch with 6x RJ45 & 2x 100M SC