

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

LIOF8-2FX is a 6*10/100M RJ45 ports and 2*100M SC ports. By default, the SC port 1310mm/20km single-mode dual-fiber module. It can support DC dual redundant power input and DIN rail mounting.

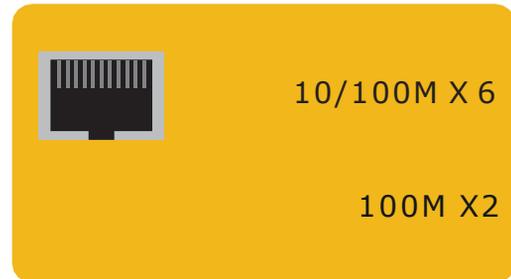
LIOF8-2FX has excellent industrial field environment adaptability (mechanical stability, climate adaptability, electromagnetic environment adaptability, etc.), protection level is IP40, it support for dual power supply, low power consumption, no fan cooling technology, unmanaged models, plug and play, 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

Part Number: LI- LIOF8-2FX-V3



FUNCTIONAL DIAGRAM

SPECIFICATIONS

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) CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS;
<i>Certification</i>	

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<i>Number of RJ45 ports (10/100Base-TX)</i>	6
<i>Number of 100M SC ports</i>	2
<i>Ethernet Port</i>	2 set of V+, V- redundant DC power interface (5P Phoenix terminal)
<i>Twisted Pair Transmission</i>	Port 1-6 support 10/100Base-TX, auto-sensing, Full/half duplex MDI/MDI-X self-adaption
<i>SC Slot Port</i>	10BASE-T: Cat3,4,5 UTP(≤100 meter) ; 1000BASE-T: Cat5e or later UTP(≤100 meter)
<i>Optical Cable/ Distance</i>	Default optical module is single-mode dual-fiber 20km, SC interface
<i>Network Protocol</i>	Multi mode: 850nm ,0 - 550M, 1310nm,0-2km ; single mode: 1310nm 0 - 40KM, 1550nm 0 - 120KM.
<i>Forwarding Mode</i>	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, ; IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX ; IEEE802.3x
<i>Forwarding Mode</i>	Store-And-Forward
<i>Switching Capacity</i>	11.6Gbps
<i>Forwarding Rate@64byte</i>	1.19Mpps
<i>MAC</i>	1K
<i>Buffer Memory</i>	768K
<i>Jumbo Frame</i>	1632byte
<i>LED Indicator</i>	Power: PWR (green), network: Link(yellow), Fiber port :L/A (green)
<i>Power Consumption</i>	Standby<4W, Full load<8W
<i>Power Supply</i>	No, optional 24V24W industrial power supply
<i>Working Voltage</i>	12-48VDC; 5P industrial Phoenix terminal, support anti-reverse protection.
<i>Operating temperature</i>	-40 to 80 °C
<i>Storage temperature</i>	-40 to 85 °C
<i>Operating humidity</i>	5 ~ 95% non condensation
<i>Dimensions</i>	145x134x47mm
<i>Weight</i>	1kg
<i>Installation</i>	Desktop, DIN rail