

Industrial PoE+ Switch

Technical data pages by Spectrum

**8-Port Gigabit Ethernet L2+ Managed Industrial PoE+ Switch,
8 x PoE+ Ports @240W, with 2 x 1Gb SFP**

Spectrum
CABLES&SYSTEMS

Part Number: 6110-8TFP-R



Overview

Industrial switches with environmentally hardened design, and can operate stably under the temperature range from -40 to 85 degrees C. They are ideal for harsh environments, such as traffic control cabinets, factory floors, and the outdoor places where temperature is extremely low or high. It adopts industrial-grade standard design and supports dual redundant power supply. It is dustproof, moisture-proof, lightning-proof, and resistant to high and low temperatures. It has an average time between failures of 300,000. hours and can be widely used in industrial control automation, road traffic control automation, and building automatic control systems, computer room monitoring systems and other industrial application scenarios, it works stably, reliably and efficiently, creating a rock-solid industrial Internet of Things, suitable for long-term work in various harsh environments.

Key Features

- 8 10/100/1000Base-T Ethernet PoE port, 2 1000Base-X SFP Fiber port;
- Robust Industrial Design
- DIN-rail Mounting for Efficient Use of Cabinet Space
- Complete Security Policies
- IP40 protection level
- Comply with IEEE 802.3af/at power supply standard

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Specification

Technology	
Standards	IEEE 802.3 10BaseT Ethernet
	IEEE 802.3u 100BaseTX Fast Ethernet
	IEEE 802.3ab 1000BaseT
	IEEE 802.3z 1000Base-X Gigabit Fiber
Processing Type	Store and forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Bandwidth	2.0Gbps
Memory Buffer	512K
MAC Table Size	1K
Jumbo Frame	10K
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
	1,488,000pps for Gigabit Ethernet Port
Interface	
RJ45 Ports	8*10/100 Base-T(X)
	Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
Gigabit Combo Port (Copper/SFP)	2*RJ45 Ports w/10/100/1000Tx Ethernet and 2*100/1000 SFP Slot
Wavelength	Depends on SFP modules
LED Indicators	System: green (PW1-PW2)
	Ethernet ports: 100M Link/ACT yellow, Link/Act green
	SFP: Red (FX1-FX2)
Relay Contact	24 VDC, 1A resistive
Network Cable	1000BaseTX: UTP/STP Cat.6/6A cable; EIA/TIA-568 100-ohm (100m)

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Power Requirements

Input Voltage	Dual 12-48VDC redundant power inputs
Power interface	6-pin Phoenix terminal
Power supply protection	positive and negative pole misconnection protection
Power consumption	< 5 W

Mechanical Characteristics

Housing	Metal, IP40 protection
Dimensions (W x H x D)	139mm×108mm×50mm
Weight	< 0.6KG
Mounting	DIN-Rail Mounting, Wall Mounting

Environmental Limits

Operating Temperature	-40 °C ~+ 85 °C
Storage Temperature	-40 °C ~+85°C
Ambient Relative Humidity	5% ~ 95% (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2 Class A: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL61010-1, UL61010-2-201, ISA 12.12.01
Compliance	NEMA TS2 (ITS) (apply by request)
Warranty	1 Years