

# ComIn SD1F1T-SFP

Unmanaged 1-Port GbE PoE Switch with 1 SFP Port

## Product Specifications



## Product Description

The SD1F1T-SFP/SD1F1T-SFP-POE family model is an unmanaged Single Port Gigabit and Single Gigabit SFP Optical port industrial-grade Ethernet switch. It features support for single 10/100/1000Base-T adaptive RJ45 port, with the optional POE feature available.

The SD1F1T-SFP/SD1F1T-SFP-POE family model products are designed with a focus on industrial standards, including materials and product design. The enclosure is crafted from aluminum alloy, ensuring superior heat dissipation for efficient performance. The fanless heat dissipation circuit design allows for a wide range of working temperatures, while also providing a high level of protection. These technologies contribute to the exceptional industrial-grade quality of the products, making them resistant to both high and low temperatures and offering protection against lightning and other potential hazards. Additionally, the products feature industrial-grade three-level ESD protection, making them suitable for various applications, such as intelligent transportation, outdoor monitoring, industrial networks, and deployments in smart cities and other challenging environments.

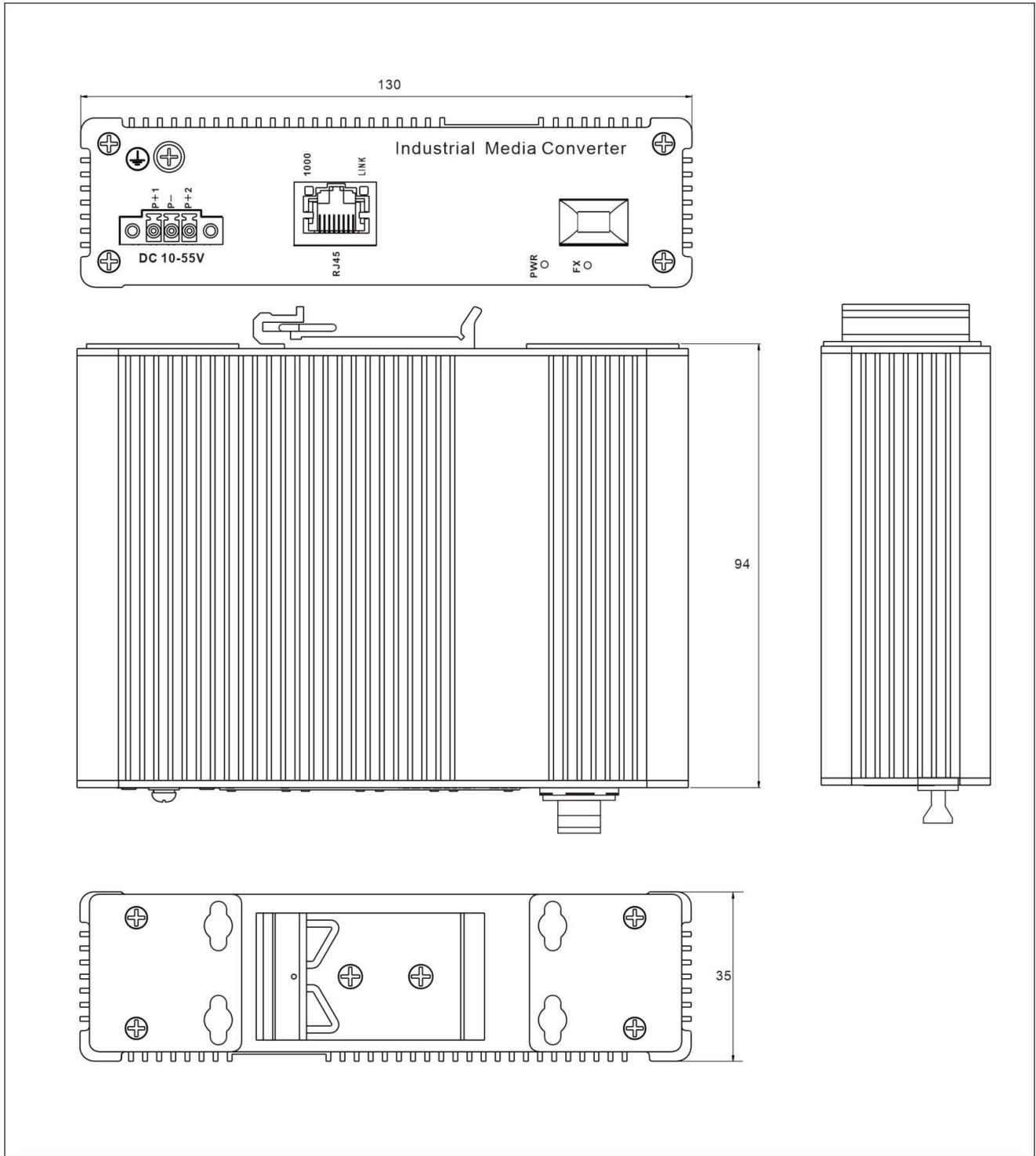
## Product Specifications

<b>INTERFACE</b>	
Uplink Port Interfaces	1 x 100/1000Base-X SFP
Network Port Interfaces	1 x 10/100/1000Base-T
Power Connector	3P Phoenix Terminal, Dual Power Supply Redundancy
LED lights	Power indicator: PWR (Green); Optical: SYS (Green) Network Port Indicator: Yellow (1000 or PoE) Green (Link)
<b>CABLE TYPE AND DISTANCE</b>	
Twisted pair	0-100m (CAT5e, CAT6)
Single-mode fiber	20/40/60/80/100/120KM
Multimode fiber	550m/2KM
Fiber interface	LC/SC
<b>Network Topology Mode</b>	
Star topology	Support
Bus topology	Support
Tree topology	Support
<b>ELECTRICAL CHARACTERISTICS</b>	

Input Voltage	DC10-55V/AC 100-240V 50-60HZ
Power Consumption	Non-PoE Total Power <4W, With PoE < 30W (Full Load)
<b>POE SUPPORT (OPTIONAL POE FEATURE)</b>	
PoE Port	1
PoE Protocol	802.3af, 802.3at
PoE Pinout	1,2,3,6
PoE Management Mode	Not Supported
<b>LAYER 2 SWITCHING</b>	
Swap Capacity	8G
Packet Forwarding Rate	2.98Mpps
MAC Address Table	8K
VLAN Support and Number	Supports 4096 VLAN ID
Report Buffer	1M
Forwarding Delay	<10us
Port Characteristics	Cross-Direct Adaptative
Flow Control	Support
Jumbo Frames	Support 10Kbytes
Storm Suppression	Support
<b>PROTECTION</b>	
IP Rating	IP40
Power Surge Protection	IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
Network Port Surge Protection	IEC 61000-4-5 Level 3 (6KV/2KV) (10/700us)
Radiated Immunity	IEC 61000-4-3 Level 3 (10V/m)
Instantaneous Pulse Immunity	IEC 61000-4-4 Level 3 (1V/2V)
Conduction Immunity	IEC 61000-4-6 Level 3 (10V/m)
Power Supply Frequency Magnetic Field Immunity	IEC 61000-4-8 Level 4 (30A/m)
Voltage Drop	IEC 61000-4-11 Level 3 (10V)
EMI	Class A
Electrostatic Discharge (ESD) Immunity	IEC61000-4-2 Level 4 (15KV/30KV)
Free Fall	0.5m

<b>ENVIRONMENTAL CONDITIONS</b>	
Operating Temperature	-40°C ~ +85°C
Storage/Transport Temperature	-40°C ~ +85°C
Relative Humidity	5%~95% (non-condensing)
Heat Dissipation Method	Fanless Enclosure Dissipates Heat
MTBF	100,000 Hours
<b>MECHANICAL STRUCTURE</b>	
Size	130 x 94 x 35mm
Installation Method	Rail Mounting
Housing Material	Industrial Aluminum Shell
Weight	0.5kg
<b>RELEVANT CERTIFICATIONS</b>	
Certification	CE, FCC, RoHS
<b>PACKAGES AND ACCESSORIES</b>	
Standard Packaging	Equipment, Terminal Block, Manual, Power Adapter (Optional)

## Product Size and Dimension



## Order Information

Order Code	Product Description
ComIn SD1F1T-SFP	Unmanaged 1-Port GbE, 1 SFP Port Switch
ComIn SD1F1T-SFP POE	Unmanaged 1-Port GbE, 1 SFP Port PoE Switch

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