CES2103-F

3-Port Layer 2 Unmanaged Embedded Industrial Ethernet Switch



- 1×100Base-FX port (multi/single-mode, SC/FC/ST connector), 2×10/100Base-T(X) ports (RJ45 connector)
- 100Base-FX port supports SC/FC/ST, single-mode/multi-mode, wavelengths and transmission distances optional
- 10/100Base-T(X) ports support full/half-duplex and auto MDI/MDI-X, plug-and-play
- Support DC9~24V power input, compliant with intrinsic safety circuit design standards
- Operating temperature range of -40°C to +85°C

Product Description

CES2103-F is a 3-port unmanaged embedded industrial Ethernet switch designed for industrial communication network applications. It complies with intrinsic safety design requirements. This product series supports 1×100Base-FX port and 2×10/100Base-T(X) ports, with single DC9~24V power input. The power supply features protection against reverse connection, soft start, overcurrent, and overvoltage protection. It is designed for embedded installation, catering to the needs of various network environments.

The hardware is designed with fanless, intrinsically safe, and wide temperature range considerations. It is compact in size, uses industrial-grade components, and operates within a temperature range of -40°C to +85°C. The power supply complies with intrinsic safety circuit design standards and has undergone rigorous safety and EMC testing to meet the demanding requirements of industrial environment applications.

This product can be widely applied in various fields, including industrial automation, comprehensive energy, intelligent transportation, smart cities, and intelligent mining.

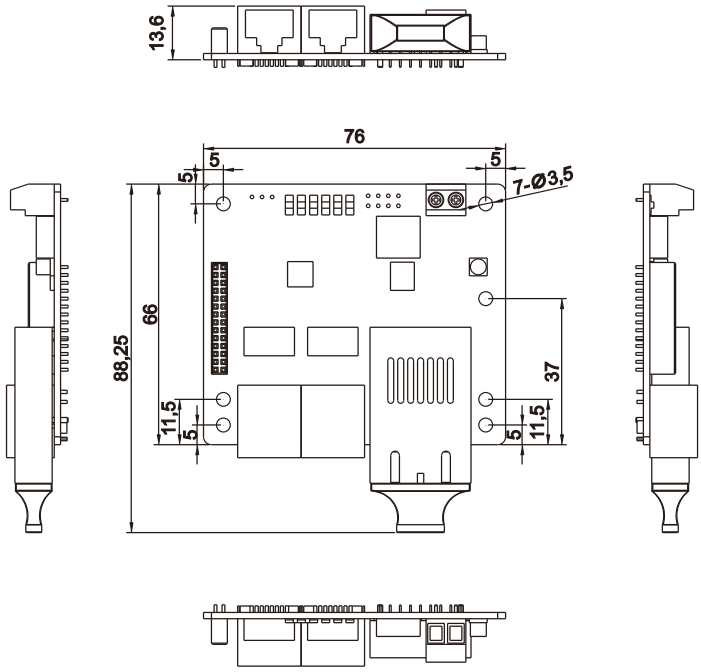
Technical Specifications

Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	1Gbps
Buffer Size	96KB
MAC Table Size	2K
Interface	
100M Fiber Port	1*100Base-FX fiber port (SC/FC/ST, single-mode/multi-mode, wavelengths and transmission distances are optional)
100M Copper Port	2*10/100Base-T(X) auto-sensing RJ45 ports, support full-duplex/half-duplex and auto MDI/MDI-X
Status LED	Power indicator, interface indicator, support external indication signal
Power Supply	
Input Voltage	DC9~24V
Power Consumption	＜1.29W@DC12V
Connection	2-pin with 5.08mm spacing terminal connectors
Physical Characteristics	
Dimensions	76×66×13.6 mm
Installations	Embedded
Weight	49g
Working Environment	
Operating Temp	-40℃~+85℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standard	

EMC	IEC 61000-4-2 (ESD): Contact discharge ±8kV, Air discharge ±15kV IEC 61000-4-5 (Surge): Power supply and network port: Common mode ±2kV, Differential mode ±2kV IEC 61000-4-4 (EFT): Power supply: ±2kV; Communication port: ±2kV
Certification	CE, FCC, RoHS

Dimensions

Unit: mm



Ordering Information

Standard Model	100M Fiber Port	10/100M Copper Port	Input Voltage
CES2103-F(M/S)	1	2	DC9~24V

Contact Us

COME-STAR COMMUNICATION(WUHAN) CO., LTD.

Address: Puneng Industrial Park, Fenghuang Garden 1st Road, East Lake High-Tech Development Zone, Wuhan, China.

Tel: +86-027-59257958

Mail: info@come-star.com

Official site: www.come-star.com

Copyright © Come-Star All rights reserved