10/100M Industrial 1 fiber port+4 RJ45 ports Switch

Product Description

The KOC-GF2604-S20SC Series unmanaged industrial POE switches are designed for extreme harsh industrial environments,can achieve the conversion between 4*10/100Base-Tx (with POE capability) twisted pair electrical signals and 1*100Base-Fx optical signal, through the use of switching technology and storage forwarding technology to achieve the transfer of data between the two network connection media.

As a Power over Ethernet Device (PSE), it supports four fully compliant IEEE 802.3af / at POE and Ethernet composite ports, each POE port providing up to 30W of 48V DC power. It provides power for PoE network IP camera and wireless AP, saves the trouble of installing power and power cord separately, and provides an economical UTP connection to the optical fiber for fast Ethernet business.

Product Features

◆ Industrial Ethernet series designed for harsh industrial environments;

◆ 4*10/100Base-Tx RJ45 port complying with IEEE 802.3af/at POE standard and 1* 100Base-Fx optical port;

◆ Each POE port provides up to 30W of 48V DC power output;

◆ Electrical interface (RJ45 port) support 10/100M adaptive, full/half duplex mode, MDI/MDI-X auto-detect;

◆ Built-in efficient exchange core, providing 4 switched 10/100Base-Tx twisted pair Ethernet port, supports VLAN group , to achieve electrical port backup and multi-user access;

◆ Optical interface supports three optical fiber transmission modes: dual-fiber multi-mode, dual-fiber single-mode, single-fiber single-mode, SC/ST/FC interface optional;

◆ A complete range of transmission distances, up to 120 km of transmission;

◆ Ultra-low latency and flexible caching technology: Adopt "store-and-forward" mode, seamlessly connect devices of different rates and work mode adaptive;

◆ Support a wide range of DC input;Support internal isolation, redundant dual power input;

◆ Power support overload protection, anti-reverse protection;

◆ Meet the industrial four electromagnetic compatibility requirements;

◆ Super lightning protection function: the use of imported lightning protection devices, anti lightning, anti-induced high voltage, anti-surge, etc.;

◆ Lightning protection level: Power Interface Level 4 lightning protection;

◆ Fanless cooling, reduce repair time;

◆ IP40 enclosure rating to withstand the harsh environment of the test;

◆ Rail or wall-mounted;

◆ Wide temperature type: Operating temperature -40 ℃ ~ +85 ℃;

◆ Hazardous environment certified and complies with FCC, CE standards;

◆ All models are 100% baked machine test, warranty: 5 years;

Technical Specification

Technical Parameters	Parameter Description	
Exchange attributes	MAC address table: 2K	
	Packet buffer: 1Mbit	
	Packet forwarding rate: 0.8Mpps	
	Exchange delay: <5μs	
Forwarding Mode	Store-and-Forward	
Maximum filtration speed	148800pps（100M）	
Ethernet electrical interface	Number of interfaces	4
	Protocol Standards	IEEE802.3 ヽ
		IEEE802.3u 10/100Base-Tx
		IEEE 802.3af/at POE 10/100Base-Tx
	Rate	10/100Mbps adaptive
	Duplex mode	full/half duplex
	Connection	cable cross / straight adaptive
	Transmission distance	CAT5 twisted pair: 100m
	Interface type	RJ45 interface
	802.3af/at POE ports	Each POE port outputs 48-50V, 600mA, providing 30W of power for the load;V +, V- corresponds to two pairs of data lines 1/2 and 3/6 (End-Span PSE)
Ethernet Optical interface	Number of interfaces	1
	Protocol Standards	IEEE802.3u 100Base-Fx
	Rate	100Mbps
	Wavelength	1310nm/1550nm
	Transmission distance	Dual fiber Multi-mode: 2KM
		Dual fiber Single-mode /single fiber Single-mode: 20/40/60/80KM
	Interface type	SC/ST/FC interface optional, single mode or multimode fiber

Power supply	Input Voltage: 48VDC（46～56VDC）,Redundant dual power input Input current: <0.5A@24VDC Overload protection: support Reverse connection protection: support Redundant protection: support Access terminal: 6-pin 5.08mm pitch plug-in terminal
Mechanical Features	Shell: IP40 protection grade, metal material Size: 138mm (length) x 112mm (width) x 60mm (height) Weight: 640g Installation: rail installation, wall-mounted installation
Working environment	Operating temperature: -40 ° C ~ + 85 ° C Storage temperature: -40 ° C ~ + 85 ° C Relative humidity: 5 ~ 95% (non- condensing) Safety: UL 60950-1
Industry Standard	**EMI:** FCC Part 15 Subpart B Class A, EN 55022 Class A. **EMS:** EN61000-4-2 Anti-static: ± 6KV contact discharge, ± 8KV air discharge EN61000-4-3 Electromagnetic field: 10V / m (80 ~ 1000MHz) EN61000-4-4 Instantaneous high voltage: ± 4KV power cord, ± 2KV data line EN61000-4-5 surge voltage: ± 4KV / CM, ± 2KV / DM power cord, ± 2KV data line EN61000-4-6 anti-conduction: 3V (10KHz ~ 150KHz), 10V (150KHz ~ 80KHz) **Machinery:** IEC60068-2-6 (vibration) IEC60068-2-27 (impact) IEC60068-2-32 (free fall) **Industry:** IEC61000-6-2 **Railway:** EN50155, EN50121-4 **Traffic Control:** NEMA TS-2
Warranty	5-years