

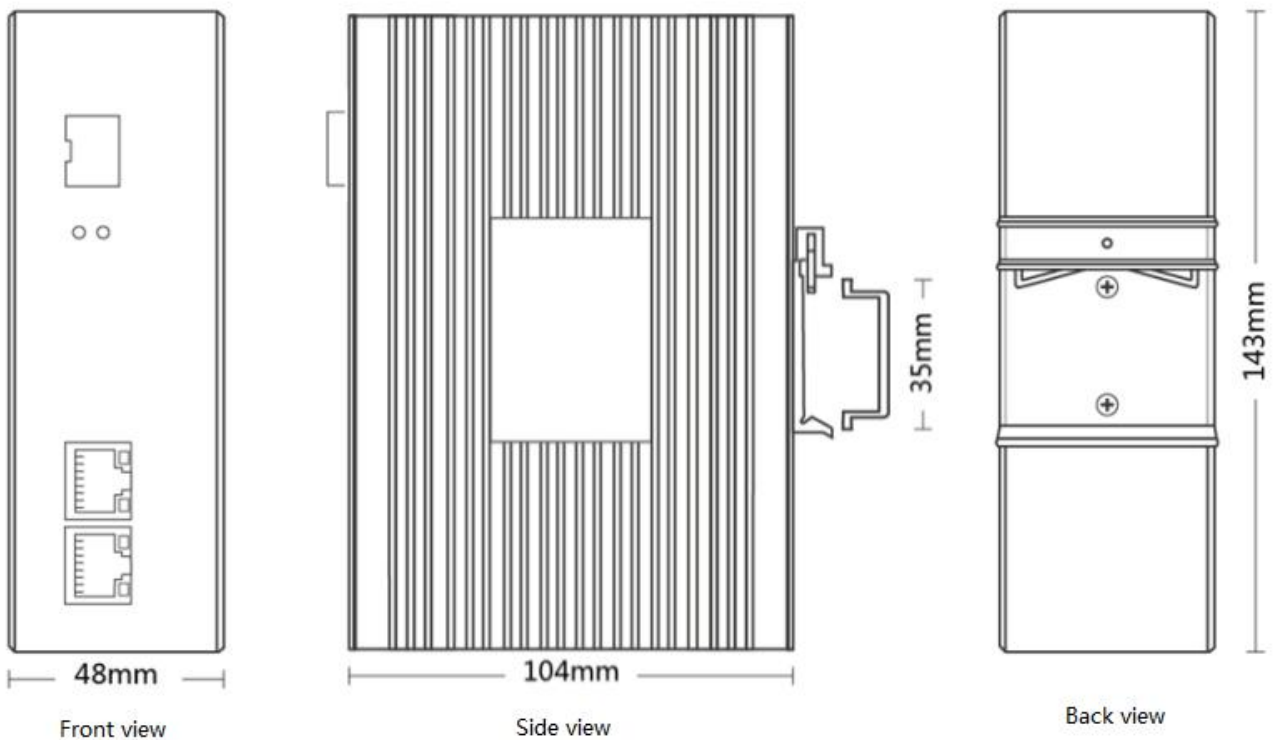
USR-SDR021

Fiber Network Switches | Industrial Grade Switches

1. Overview

This device uses fanless, low power consumption design, has the advantages of convenient use, small size, simple maintenance and so on. The design of the product conforms to the Ethernet standard, with lightning protection and anti-static protection measures, and a wide range of operating temperature of $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$. Its performance is stable and reliable, which can be widely used in various broadband data transmission fields such as intelligent transportation, telecommunications, security, financial securities, customs, shipping, electric power, water conservancy and oil fields.

2. Size and Appearance



3. Parameters

Model	USR-SDR021	
Interface	Power interface	Phoenix terminal, redundant dual power supply
	Network interface	10/100 Base - T
	Ethernet port number	2*10/100M, 1*100 Base-FX
	LED indicators	PWR, Link/ACT
Cable type	Twisted-pair	100m (CAT5E, CAT6)
	Monomode optical fiber	20/40/60/80/100KM
	Multimode (optical) fiber	550m
Electrical specifications	Input voltage	DC 10-58V
	Power consumption	Normal model<5W; POE model<65W
Network Topology	Star topology	support
	Bus topology	support
	Tree Topology	support
Parameters	MAC address table	1K
	Buffer	512K
	Forwarding delay	<3us
	MDX/MIDX	support
	Flow control	support
	Jumbo frame	2048 bytes
	Switching capacity	1G
	Packet forwarding rate	0.744Mpps
EMC&Ingress protection	IP level	IP40
	Power surge protection	IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
	Ethernet port surge protection	IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us)
	EMI	CLASS A
	ESD	IEC 61000-4-2 Level 4 (8K/15K)
	Free fall	0.5m
Environment	Operating temperature	-40°C~+85°C
	Storage temperature	-40°C~+85°C

	Relative humidity	5%~95%, (non-condensing)
MTBF	MTBF	100000 hours
Mechanical structure	Size	143X104X48mm
	Installation method	DIN rail
	Shell material	Aluminium alloy
	Weight	0.52kg