

SA-S3204

SERIES SWITCH

DESCRIPTION

Starview's Smart Industrial Ethernet Switch SA-S3204 Series is an innovative and independent product for industrial networking. We define it as the LITE model, designed specifically for small industrial networks and highly cost-effective. In addition to adopting industry-leading technical standards, this product can guarantee reliable and reliable Ethernet transmissions.

KEY FEATURES

- A compact, all-aluminium case with a fanless design
- The temperature from -40 to 75°C maintains performance in extreme conditions
- DIP Switch supports RSTP/VLAN/SPEED
- Support IEEE 802.3af/at/bt PoE standards without damaging non-PoE devices
- Provide 9K bytes Jumbo frame that is compatible with multiple extension protocols
- Facility IEEE802.3az energy-efficient Ethernet
- Complete with electricity surge protection, easy to use in an outdoor environment
- Detailed status indicator, working state at a glance
- Design for power input polarity protection
- Either DIN rail or Wall Mount Installation
- An easy-to-use WebGUI interface

Ethernet data exchange, convergence, and long-distance optical transmission are available with efficient bandwidth and reliable fibre optic networks. Industrial switches conform to many characteristics, such as no fan, low power consumption, high reliability and stability, and easy maintenance.

Industrial Ethernet Switch adopts mature technology and open network standards, adapts to low temperature and high temperature, protects against electromagnetic interference, anti-salt fog, antivibration, and anti-shake, and is equipped with redundant dual It can also operate either at the standard operating temperature range of -40 to 75°C. Industrial switches support standard 19" rack mounts with IP40 protection and are perfect choices for harsh environments.

Technical specifications

SA-S3204 SERIES SWITCH

ETHERNET INTERFACE

MODEL	SA-S3204	SA-S3204R/SA-S3204PT
Ports	4x10/100/1000Base-TX RJ45 ports+2x100/1000Base-X SFP ports	
Port Mode (Tx)	Auto Negotiation; Full/Half Duplex Mode Auto MDI/MDI-X Connection	
Standards	IEEE 802.3 for 10BaseT; IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3ab for 1000BaseT(X); IEEE 802.3z for 1000BaseSX/LX/LHX/ZX IEEE 802.3x for flow control; IEEE 802.1D-2004 for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol; IEEE 802.1p for Class of Service; IEEE 802.1Q for VLAN Tagging	
Packet Buffer Size	2M	
Maximum Packet Length	Up to 9K	
MAC Address Table	4K	
Transmission Mode	Store and Forward (full/half duplex mode)	
Exchange Property	Delay time: < 7µs; Backplane bandwidth: 20Gbps	
IGMP Group	256	
VLAN ID Range	VID 1 to 4094	

POE & POWER SUPPLY

Model	SA-S3204R	SA-S3204PT
PoE Ports	Port 1 to 4 IEEE802.3af/at @PoE+	Port 1 to 4 IEEE802.3af/at/bt @PoE++
Power Supply Pin	Default: 1/2(+), 3/6(-)	Default: 1/2(+), 3/6(-) or 4/5(+), 7/8(-)
Max Power Per Port	30W	90W
Total PWR /Input Voltage	120W (DC48-56V) (Model dependent)	360W (DC52-56V) (Model dependent)
Power Consumption	3 Watts Max (without PoE load)	
Power Inputs	2	
Input Voltage	9-56VDC, Redundant dual inputs	
Operating Voltage	Non-PoE Mode: 9-56VDC; 30W PoE Mode: 48-56VDC 90W PoE Mode: 52-56VDC (IEEE802.3bt model)	
Connector	1 removable 6-contact terminal blocks; Pin 1/2 for Power 1, Pin 3/4 for Power 2, Pin 5/6 for fault alarm	
Protection	Overload Current Protection, Reverse Polarity Protection	

SOFTWARE FEATURES

Redundancy Protocol	Support STP/RSTP
Multicast Support	Support IGMP Snooping V1
VLAN	Support IEEE 802.1Q 4K VLAN, Port Isolation, Trunk Group Setting
QOS	Support Port, 1Q, ACL, DSCP, CVLAN, SVLAN, DA, SA, Port Priority, Queue Weight
Diagnostic Maintenance	Support port mirroring, Port Statistics, Cable Diagnostic
Management Function	WEB, SNMPv1, EEE, Green Ethernet
Security	Broadcast/Multicast Storm Protection, MAC filtering, MAC Constraint
PoE Management (PoE Model)	PoE Mode, State and Power Monitoring
Advance Functions	Bandwidth Control (Ingress and Egress Rate), Jumbo Frame, Firmware Online Upgrade, Configuration Backup

PHYSICAL CHARACTERISTICS

Housing	Aluminium case	
IP Rating	IP40	
Dimensions (L x W x H)	120mm x 90mm x 35mm	
Installation Mode	DIN Rail/Wall Mount	
Weight	350g	
Working Environment	Operating Temperature	-40°C ~ 75°C (-40 to 167°F)
	Operating Humidity	5% ~ 90% (non-condensing)
	Storage Temperature	-40°C ~ 85°C (-40 to 185°F)
	MTBF	907,476 hours @ Telcordia SR-332 Standard
	Heat Dissipation	34 BTU/h (Non-PoE Mode); 1262 BTU/h (with 360W PoE Load)
	Cooling	Passive Cooling, Fanless Design
	Noise Level	0 dBA

For technical or sales support, please visit:
www.starviewint.asia

Performance specifications are typical. Due to constant research, specifications are subject to change without notice. For the most up-to-date specifications, please contact an authorized Starview representative.

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PACKAGE CONTENTS

Device	1x Industrial Ethernet Switch
Installation Kit	2 x Caps, plastic, for SFP Slots Or 2 x Caps, plastic, for SC fiber port Or 2 x Caps, plastic, for ST fiber port 2x Wall-Mount Kits 1x DIN Rail Buckle
Documentation	1 x Quick installation guide 1 x Warranty card 1x Product notice

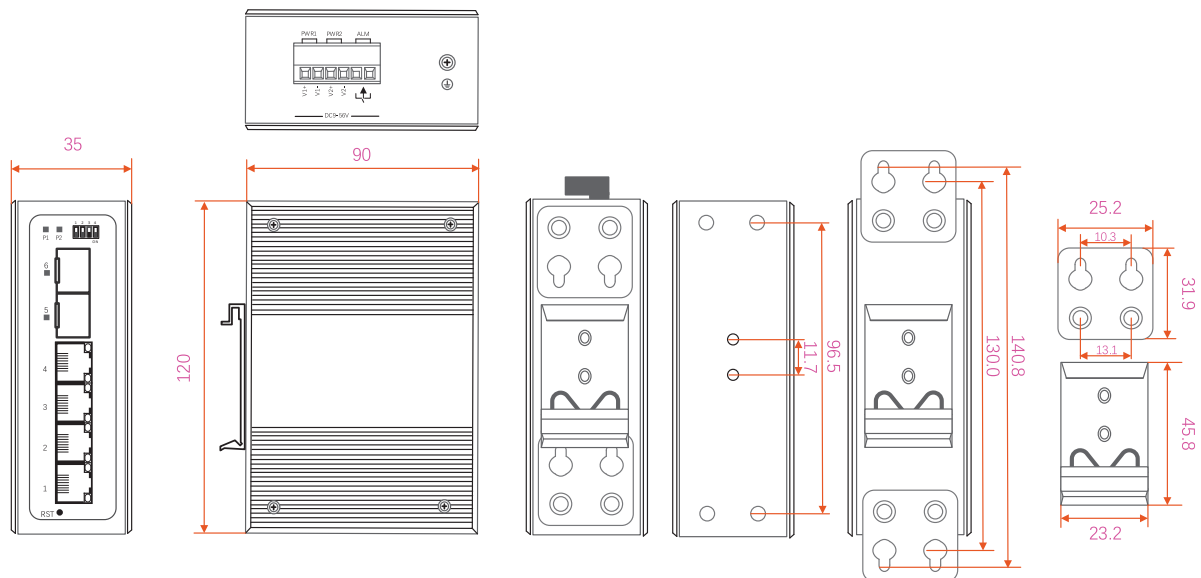
LED	STATE	DESCRIPTION
PWR	ON	Power is being supplied
	OFF	Power is not being Supplied
RUN	Blinking	The system is running well
Link/ACT (1-6)	ON	Port connection is active
	Blinking	Data transmitted
	OFF	Port connection is not active

DIP Switch	STATE
#1	RSTP Enable/Disable (Default: Enable)
#2	VLAN Enable/Disable (Default: Disabled)
#3	VLAN Enable/Disable (Default: Disabled)

Notes:

1. RSTP switches to the ON position, which indicates RSTP is in disabled status.
2. VLAN switches to the ON position, which indicates VLAN is in enabled status. All LAN ports are only able to communicate with the SFP uplinks when this option is enabled.
3. To take effect the DIP Switch function while the ethernet switch is in operation, there is a need to reboot the Ethernet switch after tuning the DIP switch.

DIMENSIONS



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