

SA-3101 SERIES

SWITCH



DESCRIPTION

The Starview SA-3101 Series Unmanaged Industrial Ethernet Switch stands out as a robust and budget-friendly solution specifically designed for the demanding environments of outdoor space CCTV cameras and diverse industrial networking requirements. Engineered to withstand harsh weather conditions, this unmanaged industrial Ethernet switch offers seamless connectivity, ensuring that surveillance systems operate flawlessly even in challenging settings. Its optional support for IEEE 802.3 af/at/bt Power Over Ethernet Standard further enhances its versatility by allowing power delivery along with data transmission through the same cable, simplifying installations and reducing clutter. With multiple ports available for quick integration into existing networks, this unmanaged industrial Ethernet switch provides reliable performance while keeping operational costs low - a perfect match for industries looking to enhance their network infrastructure without compromising on quality or efficiency.

Hardware Specifications

Product	SA-3101	SA-3101R	SA-3101T
Copper Ports	1x10/100/1000BASE-TX RJ45 Auto-MDI/MDI-X (Port 1)		
Fiber Ports	1x1000BASE-X SFP Slot (Port 2)		
Enclosure	IP40 aluminum case		
Installation	DIN-Rail and Wall-mount		
Dimension	120 x 90 x 35 mm		
Weight	370g (Bare weight), 470g (With package)		
Surge Protection	±6kV DC, ±4kV RJ45	±6kV DC, ±6kV RJ45	
Switching			
Switch Architecture	Store-and-Forward		
Switch Fabric	14Gbps/non-blocking		
Forward Filter Rate	14,880pps(10Mbps) 148,800pps(100Mbps) 1,488,000pps(1000Mbps)		
Packet Buffer Size	512 Kbits		
MAX. Packet Length	9K bytes		
MAC Address Table	2K entries, automatic source address learning and aging		

Power Supply and PoE

Product	SA-3101	SA-3101R	SA-3101T
Power Input	2		
Power 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(As required)		
Operating Voltage	DC9-56V	DC48-56V	DC52-56V
Power Consumption	4 Watts Max (without PoE load)		
Protection	Reverse Polarity, Overload Current		
PoE Ports	\	Port 1 IEEE802.3 af/at	Port 1 IEEE802.3 af/at/bt
PoE Power Supply Type	\	End-span	End-span
Power Supply Pin	\	1/2(+), 3/6(-)	1/2(+), 3/6(-) or 4/5(+), 7/8(-)
Max Power Per Port	\	30W	90W
PoE Power Budget	\	35W	95W

Environmental

Operating Temperature	-40°C to +75°C (-40 to 167°F)		
Storage Temperature	-40°C to +85°C (-40 to 185°F)		
Operating Humidity	5%~95% (non-condensing)		
Heat Dissipation	7 BTU/h (Non-PoE), 218 BTU/h (with 30W PoE load), 314 BTU/h (with 90W PoE load)		
Cooling	Passive Cooling		
MTBF	>500,000 hours @MIL-HDBK-217F GF 25°C		

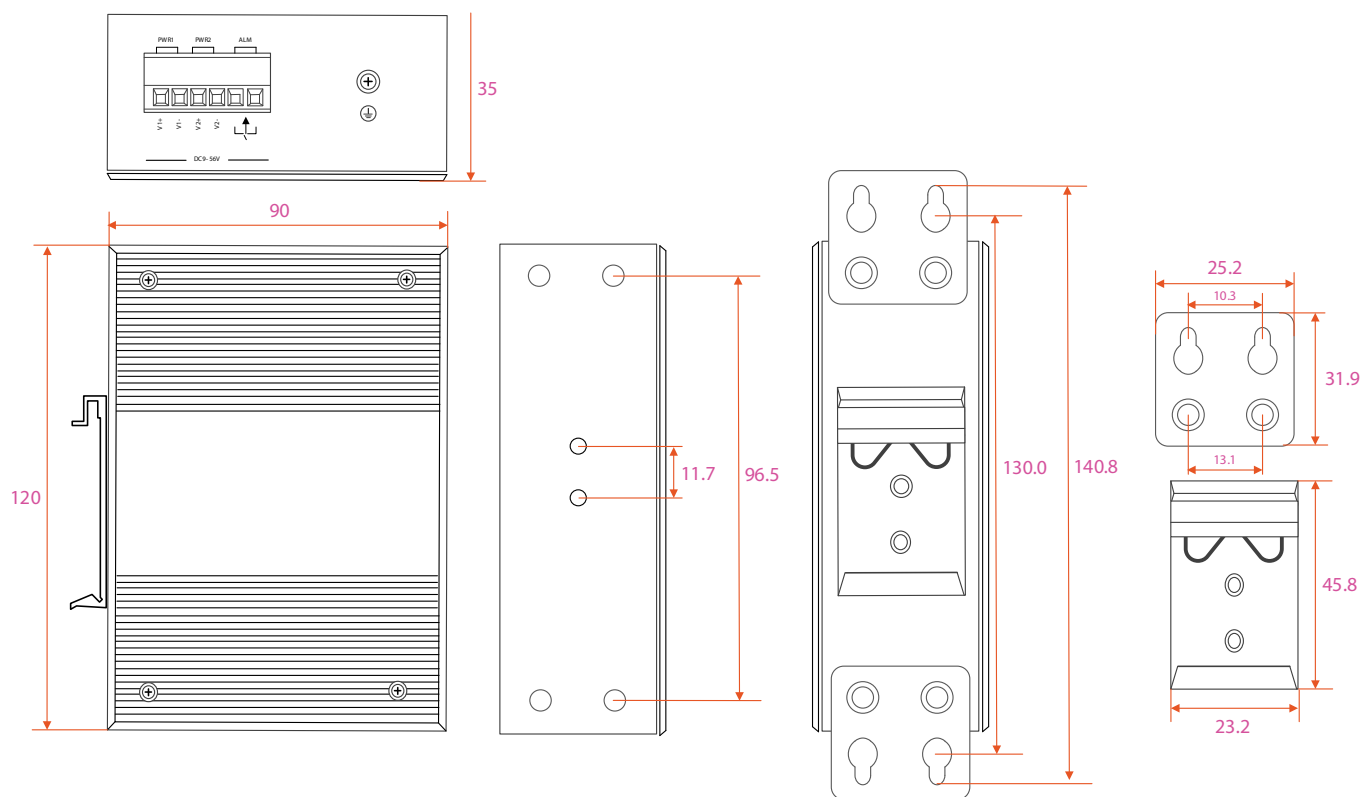
LED Indicators

P1 & P2	ON: Power is being supplied ,OFF: Power is not being supplied
Fiber Port	ON: Port connection is active, Blinking: Data transmitted, OFF: Port connection is not active
RJ45 Port Amber LEDs	ON: Port connection is active, Blinking: Data transmitted, OFF: Port connection is not active
RJ45 Port Green LEDs	ON: Port is operating at 1000 Mb/s, OFF: Port is operating at 10/100 Mb/s

Package Contents

Device	1 x Industrial Fiber Media Converter
Installation Kit	1 x DIN-Rail Clip, 2 x Wall-Mount Kits

DIMENSIONS



ORDER INFORMATION

Model Number	10/100/1000Base-TX RJ45	1000Base-X Port	PoE Standard	Input Voltage	Operating Temp.
SA-3101	1	1	\	2xDC9-56V	-40 to +75°C
SA-3101A	1	1	\	1xAC220V	-40 to +75°C
SA-3101R	1	1	Port 1 802.3 af/at	2xDC9-56V	-40 to +75°C
SA-3101T	1	1	Port 1 802.3 af/at/bt	2xDC9-56V	-40 to +75°C

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.

For assistance with confirming the Jurisdiction & Classification of Starview Asia products, please contact info@starviewint.asia

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