3onedata
Reliable Connections



IES2100SL Series

DIN-Rail Mounting

5/8/16-Port 100M Unmanaged Industrial Ethernet Switch

- Support 5, 8 or 16 100M copper ports (optional)
- Support storm suppression, flow control, one-key VLAN, CC-A and other functions
- Support up to 2048 bytes of Jumbo frame
- Support dual power redundancy, input voltage 12/24/48 VDC (9~60VDC)
- Support -40~75℃ operating temperature range
- Support IP40 protection grade

Industrial Grade RPS

Introduction

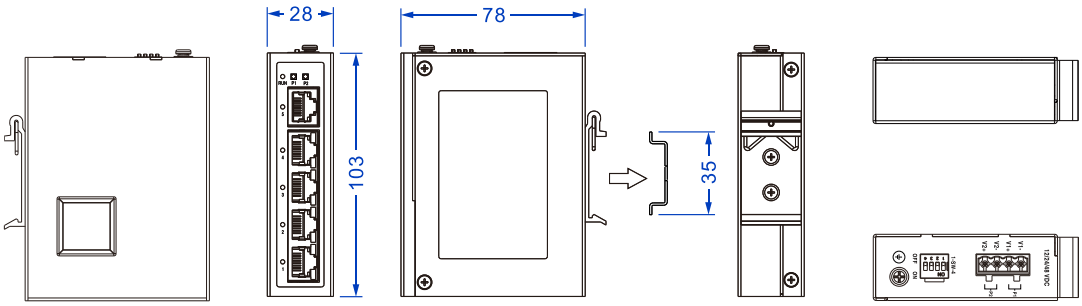
IES2100SL series are 5/8/16-port 100M unmanaged industrial Ethernet switches. This series provide 3 products and support 100M copper ports. They adopt DIN-Rail mounting to meet the requirements of different application scenes.

DIP switch can implement functions such as the device storm suppression, flow control, VLAN, CC-A. The input power supply is two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart city, safety city, intelligent manufacturing and other industrial fields.

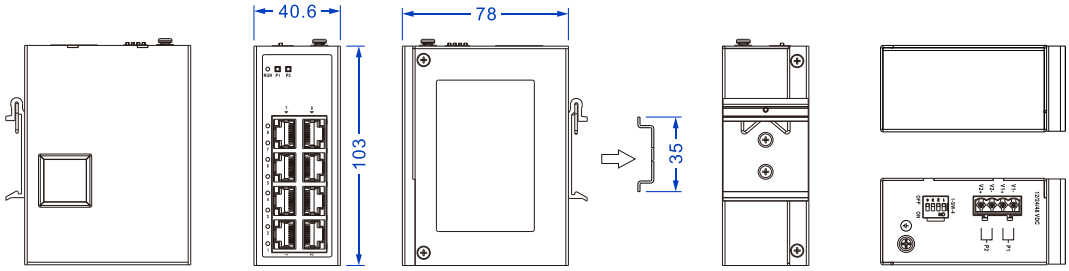
Dimension

Unit: mm

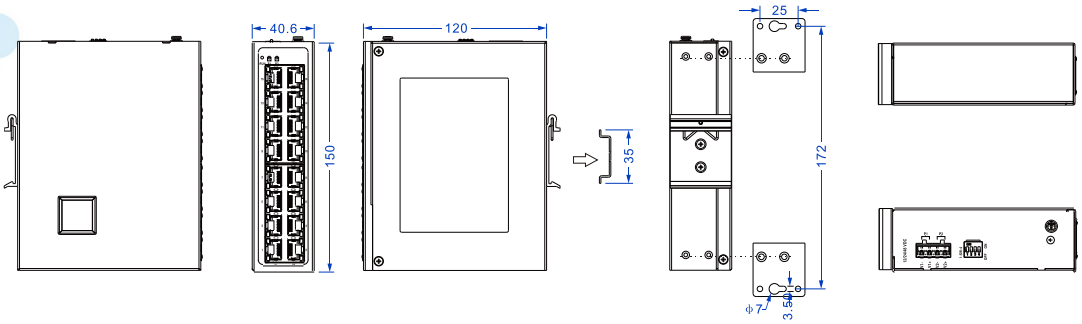
- IES2100SL-5T-2LV



- IES2100SL-8T-2LV



- IES2100SL-16T-2LV



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3x for Flow Control IEEE 802.1Q for VLAN
Interface	100M copper port: 10/100Base-T(X) self-adaptive RJ45, full/half duplex mode self-adaption, MDI/MDI-X autotuning DIP switch: 1-CC-A, 2-storm suppression, 3-VLAN, 4-flow control(5T/8T) 1-flow control, 2-storm suppression, 3-CC-A, 4-NC (16T)
Indicator	Power indicator, running indicator, interface indicator
Switch Property	Transmission mode: store and forward MAC address: 2K (5T/8T), 8K (16T) Backplane bandwidth: 1Gbps (5T), 1.6Gbps (8T) and 3.2Gbps (16T) Switch time delay: <10μs
Power Supply	12/24/48 VDC (9~60VDC), dual power supply redundancy, using 4-pin 5.08mm pitch terminal blocks, support anti-reverse connection
Power Consumption	

Model	No-load (25℃)	Full-load (25℃)	Full-load (75℃)
IES2100SL-5T-2LV	0.324W@12VDC	0.985W@12VDC	1.094W@12VDC
IES2100SL-8T-2LV	0.288W@12VDC	1.12W@12VDC	1.29W@12VDC
IES2100SL-16T-2LV	0.77W@48VCD	2.5W@48VDC	2.6W@48VDC

Working Environment	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5%~95% (no condensation)
Mechanical Structure	Housing: IP40 protection, metal Installation: DIN-Rail mounting Dimensions (W x H x D): 28mm×103mm×78mm (5T)

	40.6mm×103mm×78mm(8T) 40.6mmx150mmx120mm(16T) Weight: 0.259kg(5T), 0.33kg(8T), 0.633kg(16T)
Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 4 ● Contact discharge: ±8kV ● Air discharge: ± 15kV IEC 61000-4-4 (EFT, electrical fast transient), Level 4 ● Power supply: ±4kV ● Copper port: ±2kV IEC 61000-4-5 (Surge), Level 4 ● Power supply: differential mode±2kV, common mode±4kV ● Copper port: ±2kV Shock: IEC 60068-2-27 Free fall: IEC 60068-2-31 Vibration: IEC 60068-2-6
Authentication	CE, FCC, RoHS
Warranty	5 years

Ordering Information

Model	100M Copper Port	Power Supply
IES2100SL-5T-2LV	5	12/24/48 VDC Dual power supply redundancy
IES2100SL-8T-2LV	8	
IES2100SL-16T-2LV	16	

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China
TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485
E-mail: ics@3onedata.com
Website: www.3onedata.com

Please scan our QR code for more details

*Product pictures and technical data in this datasheet are only for reference. Updates are subject to change without prior notice. The final interpretation right is reserved by 3onedata.