



HONGKONG DONGWE TECHNOLOGIES CO.,LTD

香港东为科技有限公司

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### DW-ISF1S4R

## 4\*100M POE RJ45+1\*100M Fiber Port Industrial POE Switch



### Description:

DW-ISF1S4R is a kind of industrial POE Ethernet switch, which supports four 10/100Base-TX electrical ports and one 100Base-X fiber port. The product conforms to FCC and CE standards. This series of Switches have working temperature ranging from -40°C ~ 85°C. They have strong robustness and can adapt to various harsh environments. They can also be conveniently placed in a compact control box in space. The Din-rail & Wall mounting installation, wide temperature operation, IP40 protection level shell and LED indicator lights make it a plug-and-play industrial equipment, providing a reliable and convenient solution for the networking users.

### Function:

- ◆ High quality optical modules are used to provide good optical&electrical characteristics.
- ◆ Reliable data transmission and long working life
- ◆ Support full duplex or half duplex mode with automatic negotiation capability
- ◆ Network Port supports Full Automatic Cross Recognition
- ◆ Internal band storage and forwarding mechanism to support multiple protocols
- ◆ Compliance with telecommunication-grade operation standards, average trouble-free work in more than 50,000 hours
- ◆ Working Power Supply: DC 48-57V Provides Reverse Connection Protection
- ◆ Optical Fiber interface SC (optional ST,FC,SFP interface)
- ◆ Lightning surge protection: 5000A(8/20μs)

**Technical Parameter:**

<b>Description</b>	4* 10/100M POE RJ45+1* 100M Fiber Port Industrial Switch
<b>Interface</b>	4* 10/100M POE RJ45+1* 100M Fiber Port
<b>Size</b>	139*108*50mm
<b>Network Protocol</b>	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;IEEE802.3u;100Base-TX/FX;
<b>POE Standard</b>	Standard PoE: IEEE802.3af/ IEEE802.3at
	PoE Interface: 4 ports can support PoE
	Output Power: Max Power 15.4W (IEEE 802.3af) Max Power 30W (IEEE 802.3at) Automatic POE Port Recognition af/at
	Output Voltage : DC48~57V
	Power supply mode : 1/2+;3/6-
<b>RJ45 Interface</b>	10/100BaseT (X) Auto detection, Full/Half Duplex MDI/MDI-X self-adaption
<b>Fiber Interface</b>	100BaseFX Interface (SC/FC/ST/SGP optional)
<b>Twisted Pair</b>	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter)
<b>Fiber Cable</b>	MM: 850nm 0~550M 1310nm 0~2KM SM: 1310nm 0~40KM 1550nm 0~120KM
<b>Switch Properties</b>	Application Level: Level 2 Backplane Bandwidth: 1Gbps Full package forwarding rate: 0.744Mpps MAC table: 1K Packet Buffer: 512K Delay time: <3μs Switching mode: storage-forwarding
<b>Protection level</b>	IP40
<b>LED index</b>	Power Indicator: PWR Interface indicator: Electric&Optical outlet (Link/ACT)
<b>Power Supply</b>	Input Voltage: DC48-57V (Dual Power Redundant Backup) Access terminal: 1 removable 6-contact terminal block Supporting dual power redundancy Supporting built-in overcurrent 4.0 A protection Supporting reverse connection protection
<b>Other specifications:</b>	
<b>Working Environment</b>	Working temperature: -40~85 °C (-40~185 °F) Storage temperature : -40~85 °C (-40~185 °F) Relative humidity : 5%~95%(no condensation)
<b>Industry</b>	EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A



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<b>Standard</b>	EMS : IEC(EN)61000-4-2(ESD):±8kV contact discharge,±15kV air discharge IEC(EN)61000-4-3(RS):10V/m(80~1000MHz) IEC(EN)61000-4-4(EFT):power line:±4kV;data line:±2kV IEC(EN)61000-4-5(Surge):power line:±4kV CM/±2kV DM;data line:±2kV IEC(EN)61000-4-6(Radiofrequency conduction):3V(10kHz~150kHz),10V(150kHz~80MHz) IEC(EN)61000-4-16(Common Mode Conduction):30V cont. 300V,1s IEC(EN)61000-4-8 Shock: IEC 60068-2-27 Freefall: IEC 60068-2-32 Vibration: IEC 60068-2-6
<b>Mechanical properties</b>	Shell: Metal Material Installation: DIN rail type, wall mounted installation Weight: 0.6Kg
<b>Average fault-free time</b>	300,000 hours
<b>Warranty</b>	5years

## Ordering Information

Part Number	Product Description
DW-ISF1S4R	4 ports 10/100M Industrial PoE Switch, with 4 RJ45 ports + 1 100M TP or SFP port
DW-ISF1S4RP	4 ports 10/100M Industrial PoE Switch, with 4 POE RJ45 ports + 1 100M TP or SFP port

**Note: Power adapter& SFP module is not included in this package. Please order it separately.**

## Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by DONGWE before they become applicable to any particular order or contract. In accordance with the DONGWE policy of continuous improvement specifications may change without notice.

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