RP-IPE641SC

4-P Fast Ethernet PoE + 1-100Base-FX Industrial Ethernet Switch

RP-IPE641 series Industrial 4 port 10/100M Ethernet Switch with POE+ complies with IEEE802.3af and IEEE802.3at. It equips with high efficiency Cold Design technology which accept input voltage from 44-56VDC to reduce the excessive heat problem to a minimum.

The device delivers 30watts power per POE and generates a total of 120 watts power to PD devices. With Fiber uplinks, it can be used as fiber redundancy, cascaded to your other devices to expand your network application. It is being rigorously tested for your Security, Transportation and Telco application.

RP-IPE641 equips with IP-30 standard industrial case protection which allows for either DIN rail or wall mounting for efficient use of cabinet space. Its wide operating temperature ranges from -40°C to 75°C for under harsh environment.
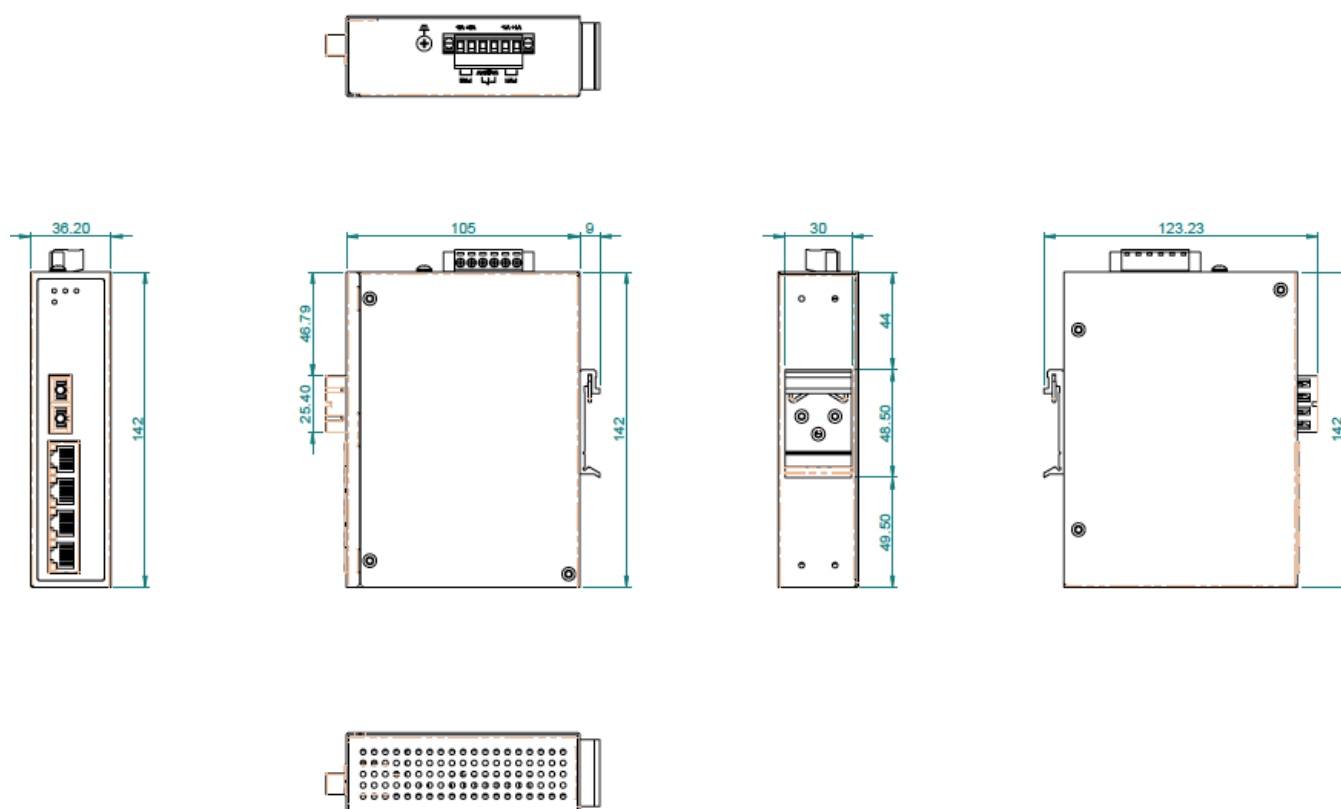
Features

- Supports P.S.E. based on IEEE 802.3at up to 30 Watts per port
- RJ-45 port support Auto MDI/MDI-X Function
- Provide one port multi-mode or single-mode fiber-optic with SC connector
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 1.0Gbps
- 1M Memory Buffer
- 1K MAC Address Table
- Power Polarity Reverse Protect
- Overload Current Re-settable Fuse Present
- IP-30 Protection
- DIN Rail and Wall Mount Design
- Support Wide Operating Temperature -40°C~75°C

Specification

Standards	- IEEE 802.3 10Base-T Ethernet - IEEE 802.3u 100Base-FX Fast Ethernet - IEEE802.3x Flow Control and Back Pressure - IEEE 802.3af/at PoE
Switch Architecture	Back-plane (Switching Fabric): 1.0Gbps
Data Processing	Store and Forward
Flow Control:	IEEE 802.3x Flow Control and Back Pressure
MAC address Table Size	1K
Packet Buffer Size	1M
Network Connector	4xRJ-45 10/100BaseT(X) auto negotiation, 4 10/100M POE+ 802.3at/af PSE port, 1 10/100M SC MM / SM port Auto MDI/MDI-X function, Full/Half duplex
Network Cable	- UTP/STP above Cat.5e Cable - EIA/TIA-568 10-ohm (100m) - Fiber Cable (Multi-mode):50/125um,62.5/125um Fiber Cable (Single-mode): 9/125um
Protocol	CSMA/CD
LED Indicator	- PW1(Green), PW2(Green), SW-Relay (Amber) - RJ-45 port: LNK (Green), POE link (Amber) - FX port: LNK (Green)
Reserve polarity protection	Present
Overload current protection	Present
Power Supply	- Redundant Dual DC 9V-56V Power Input, - Switch input 9-56VDC - POE input 44-56VDC
Power Consumption	3.76W@48 VDC full load, Without POE
Alarm Relay Contact	- Relay outputs with current carrying capacity of 1 A @24VDC, - Relay in open circuit mode when 2 powers are connected. In short circuit mode when only one power supply is connected
POE power	- Input Voltage 44VDC-56VDC. - PoE power per port 30watts. Maximum 36Watts with 56VDC input. - Maximum total power 126Watts with 56VDC input
Removable Terminal Block	- Provide 2 Redundant power , Alarm relay contact ,6 Pin - Wire range: 0.34mm^2 to 2.5mm^2 - Solid wire (AWG):12-24/14-22

	• Stranded wire(AWG): 12-24/14-22
	• Torque:5lb-In/0.5Nm/0.56Nm
	• Wire Strip length: 7-8mm
Operating Temperature	• -40℃~75℃ fully tested.
Operating Humidity	• 5% to 95% (Non-condensing)
Storage Temperature	• -40℃~85℃
Housing	• Rugged Metal ,IP30 Protection
Dimension	• 142mmx36.2mmx105mm (HxWxD)
Installation mounting	• DIN Rail mounting and Wall Mounting
EMC/EMS	• CE, FCC
EMI	• FCC Part 15 Subpart B Class A, CE EN 55022 Class A
Safety	• IEC EN60950-1
Stability Testing	• IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)

Dimension

Ordering information

RP-IPE641SC   4-P Fast Ethernet PoE + 1-100FX (SC/MM 2km) Industrial Ethernet Switch

RP-IPE641C10   4-P Fast Ethernet PoE + 1-100FX (SC/SM 10km) Industrial Ethernet Switch

RP-IPE641ST   4-P Fast Ethernet PoE + 1-100FX (ST/MM 2km) Industrial Ethernet Switch