

Industrial Unmanaged Gigabit PoE Switch

6-Port PoE Gigabit incl 1x1.25G SFP + 1x RJ-45 Ports

IG-641RPOE

airlive®



802.3af/at
30w

DIN35
Rail Installation

Surge/ESD
protection

-40°C~75°C

Dual Power inputs
48~55Vdc

Extend Mode
250m

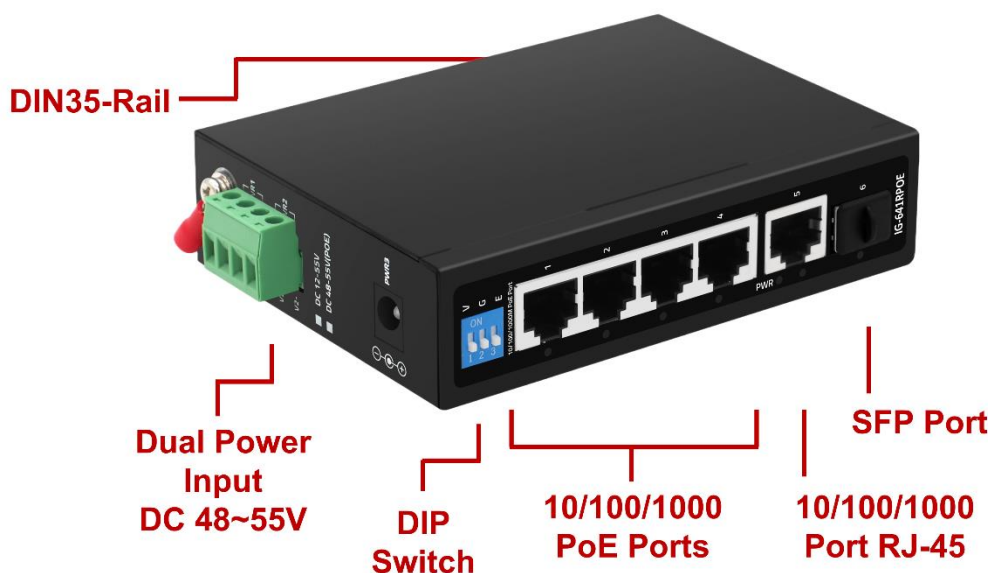
Hardware
VLAN

Gigabit RJ45
& SFP

Overview

Reliable Industrial-grade Unmanaged POE Switch for extreme environment

The AirLive IG-641RPOE is an Unmanaged Gigabit PoE switch with 4 PoE 10/100/1000 BASE-T 802.3af/at ports, each port supplying up to 30 watts of power automatically adaptive, and 2 Gigabit Uplink ports (1x SFP and 1x RJ-45) help with connecting the switch to a larger network. Made for extreme environments with its wide temperature range from -40°C to 75°C and rugged metal housing; Dual power inputs using a 4pin terminal block (DC48~55V).



Features

- All 6-port, each port delivers Gigabit speed
- Supports 4 PoE Ports up to 30W /per PoE port
- Extend the network further with 1 SFP slot that accept fiber transceivers and go beyond the limits of Ethernet
- Automatically detect and offer power for connected PD
- DIP Switch
- VLAN Mode, Extended Mode: transmission of up to 250M in Extend Mode
- Surge Protection; ESD Protection

Built for Harsh Environment

The IG-641RPOE switch can operate from $-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$. And each POE port has 4/6KV surge protection (depending on model). It is the ideal solution for applications which work under harsh environment and require stable network and PoE power such as parking lot or IP surveillance. The IG-641RPOE has a rugged high strength metal case which is rated at IP40 and has a DIN35 Rail connection making it suitable for network use in a heavy industry or factories. AirLive Industrial switches can be placed in almost any harsh environment.



IG-641RPOE

VLAN and Extend Mode

The IG-641RPOE switch can be set in Extend mode to reach a distance of up to 250m (limited to 10Mbps), this can be very useful in locations where it is hard to get power to turn on your PD device. The Extend mode makes this easier. The Extend mode is only for Port 1~4 on the switch and when enabled the transmission rate will be 10Mbps. VLAN mode: When the Port Isolation mode is enabled the PoE ports (1~4) cannot communicate with each other and can only communicate with the Up-Link port 5/6.

Dual Power Inputs

The AirLive IG-641RPOE supports 2 DC power inputs, DC48~55V, for power redundancy. Which greatly improves the reliability and uptime of a sensitive network in a harsh environment. When one of the DC power inputs fails, the second input will continue to power on the switch. / DC 2.1 (DC 2.1 cannot be used together with V1 and V2)



Fiber for Long Distance

Extend the network further with the 1.25G SFP slot/

Multimode fiber: 850nm, 1310nm transmission distance: 550m/2Km

Single-mode fiber: 1310nm, 1550nm transmission distance: 20/40/60/80/100/120km

(Distance depended on module used (not included))

Model	AirLive IG-641RPOE
Hardware <ul style="list-style-type: none">• Device Interface: 4 x 30W PoE 10/100/1000 RJ-45 1 x 10/100/1000 RJ-45 1 x 1.25G SFP 6-port totally• Standard IEEE802.3 IEEE802.3i IEEE802.3u 100Base-TX / 100Base-FX IEEE802.3ab Gigabit 1000Base-T IEEE802.3z Gigabit SX/LX (optical fiber) IEEE802.3at/af PoE• LED Indicators: PWR (power supply), 1- 6 Link & ACT Industry Standard <ul style="list-style-type: none">• EMI: FCC Part 15, CISPR (EN55032) class A• EMS: EN61000-4-2 (ESD) EN61000-4-4 (EFT) EN61000-4-5 (Surge)• Lighting Surge / ESD Protection: Surge 6/4KV, ESD 15KV(Air), 8KV (Contact).• Mechanical high-strength metal case, DIN35 Rail Mounting Power and PoE <ul style="list-style-type: none">• Protocol: IEEE802.3at (30W), IEEE802.3af (15.4W)• PoE Port: 4• PoE Power Output / PoE Port 1~4: max. 30 watts per port, (depends on power source used.) Switch Architecture Performance <ul style="list-style-type: none">• Fiber Medium: Multi-mode Fiber: 850nm, 1310nm Transmission Distance: 550m/2Km Single-mode Fiber: 1310nm, 1550nm Transmission Distance 20/40/60/80/100/120Km• Switching architecture: Store and Forward Bandwidth: 12Gbps Packet Forwarding Rate 8.928Mpps MAC Address: 8K Jumbo Frames: 9.6Kbytes Transfer Mode: Store and Forward MTBF: 100000 hours	DIP Switch Control <ul style="list-style-type: none">• VLAN: Port isolation mode. In this mode PoE ports (1~4) cannot communicate with each other and can only communicate with the UP-Link port 5/6• Default: Normal mode, all port can communicate with each other, the transmission distance is within 100m, the transmission rate is 10M/100/1000M adaptive. Extend: Extension mode, PoE power supply and data transmission distance can be extended to 250 meter at the transmission rate 10Mbps Port 1~4 only. Power Supply <ul style="list-style-type: none">• Input Voltage: DC 48~55V• Input Type: 4 Pin Terminal (block V1+V1- V2+ V1- Supports Dual Power Input, / DC 2.1 (DC 2.1 cannot be used together with V1 and V2) Environment <ul style="list-style-type: none">• Operating Temperature: -40°C to +75°C• Storage Temperature: -40°C to +85°C• Humidity: 5%~95%, non-condensing Standard package of switch <ul style="list-style-type: none">• Product size: 12 x 8.7 x 3.0 cm(L*W*H)• Package size: 17.5 x 13 x 5.5 cm(L*W*H)• Product Weight/Package Weight W: 0.441Kgs; W: 0.530Kgs• Package content: 1 x Switch, 1 x Pull Arm Standard carton package <ul style="list-style-type: none">• Quantity: 40 pcs / 1 carton• Dimensions: 54 x 29 x 37.5 cm• Carton Weight: 22.2Kg Ordering Information <ul style="list-style-type: none">• Model: IG-641RPOE• Name: Industrial Unmanaged Gigabit PoE Switch 6 Ports Including 4 x PoE, 2 x Uplink (1x RJ-45, 1x SFP)

* Specification will be changed without prior notice

AirLive