

Industrial Unmanaged Gigabit Switch

6-Port Gigabit incl 1x1.25G SFP Port

IG-601R

airlive®



Dual Power inputs
12~55Vdc

DIN35
Rail Installation

Surge/ESD
protection

-40°C~75°C

Gigabit
RJ45 & SFP

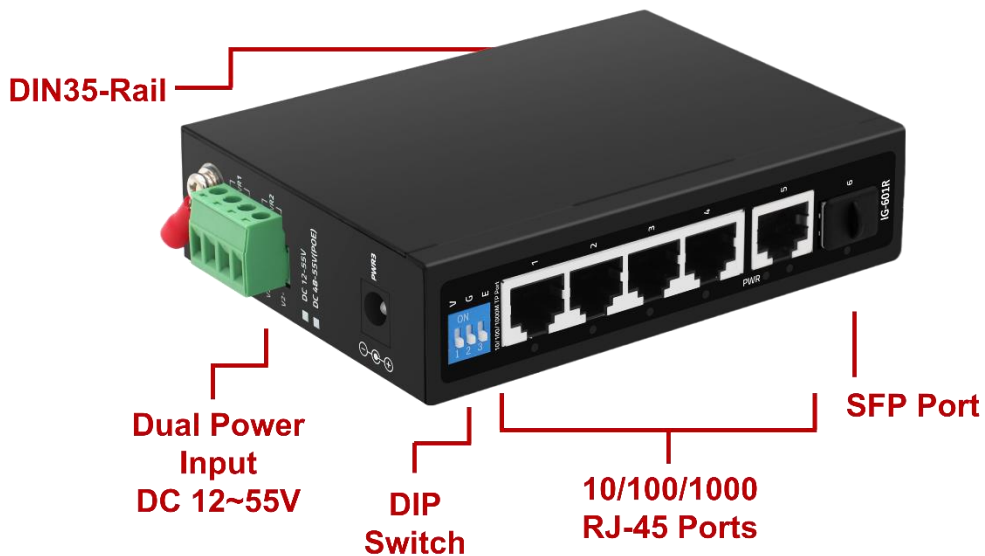
Extend Mode
250m

Hardware
VLAN

Overview

Reliable Industrial-grade Unmanaged Switch for extreme environment

The AirLive IG-601R is an Unmanaged Gigabit switch with 5 10/100/1000 BASE-T ports, each port automatically adaptive, and 1 Gigabit SFP Uplink port which helps 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 (DC12~55V).



Features

- All 6-port, each port delivers Gigabit speed
- Supports 5 Ports RJ-45 10/100/1000Mbps
- Extend the network further with 1 SFP slot that accept fiber transceivers and go beyond the limits of Ethernet
- DIP Switch
- VLAN Mode, Extended Mode: transmission of up to 250M in Extend Mode
- Surge Protection; ESD Protection

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IG-601R

Built for Harsh Environment

The IG-601R switch can operate from $-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$. And each 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 such as parking lot or factory work. The IG-601R 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-601R

VLAN and Extend Mode

The IG-601R 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 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 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-601R supports 2 DC power inputs, DC12~55V, 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-601R
<p>Hardware</p> <ul style="list-style-type: none">• Device Interface: 5 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)• LED Indicators: PWR (power supply), 1- 6 Link & ACT <p>Industry Standard</p> <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 4KV, ESD 15KV(Air), 8KV (Contact).• Mechanical: High-strength metal case IP40, DIN35 Rail Mounting <p>Switch Architecture Performance</p> <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: 1K Jumbo Frames: 9.6Kbytes Transfer Mode: Store and Forward MTBF: 100000 hours	<p>DIP Switch Control</p> <ul style="list-style-type: none">• VLAN: Port isolation mode. In this mode 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, data transmission distance can be extended to 250 meter at the transmission rate 10Mbps Port 1~4 only. <p>Power Supply</p> <ul style="list-style-type: none">• Input Voltage: DC 12~55V• 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) <p>Environment</p> <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 <p>Standard package of switch</p> <ul style="list-style-type: none">• Product size: 12 x 8.7 x 3 cm• Package size: 17.5 x 13 x 5.5 cm• Product Weight/Package Weight W: 0.441Kgs; W: 0.530Kgs• Package content: 1 x Switch, 1 x Pull Arm <p>Standard carton package</p> <ul style="list-style-type: none">• Quantity: 40 pcs / 1 carton• Dimensions: 54 x 29 x 37.5 cm• Carton Weight: 22.2Kg <p>Ordering Information</p> <ul style="list-style-type: none">• Model: IG-601R• Name: Industrial Unmanaged Gigabit Switch 6 Ports Including 5 x 10/100/1000Mbps RJ-45, 1 x Uplink SFP

* Specification will be changed without prior notice

