

IG-641BT-1.25G

User Manual



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For more detailed specifications please see the datasheet.
The datasheet can be found online on www.airlive.com

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Overview

6-Port Gigabit PoE Switch with VLAN and 90W 802.3bt High PoE port

Compliant with the latest PoE technology 802.3bt/at/af, the AirLive IG-641BT-1.25G Gigabit switch supports high power, port 1 up to 90W (802.3bt), and Port 2~4 up to 30W/each (802.3at), with 1 SFP port and 1 Gigabit PD Uplink port which can receive up to 60W PoE Power and power on the switch. The switch automatically detects and adaptively supplies needed power to connected PoE devices; for non-PoE devices, it will just transfer data intelligently.

For the application where management is not really needed but VLAN is useful and budget is controlled, the AirLive IG-641BT can help. Using a smart DIP-switch to turn the IG-641BT VLAN feature and PoE Watch dog on. Moreover Port 4 can support data and power up to 250meter at 10Mbps over Cat.5e cable that help where a PD is installed far away, and a power source is hard to get.

1.1 Power On Switch

Power On the IG-641BT-1.25G Switch.

The Switch can be powered by the Standard 4 Pin Terminal block or also via Port 5 (Uplink) of the Switch with a max of 60W PoE.

Input Voltage: DC48~55V

Input Type: 4 Pin Terminal (block V1+V1- V2+ V1-) Supports Dual Power Input

PoE Input: Uplink Gigabit port (port 5) supports PoE power Supply, which can receive power up to 60W.



**Dual Power inputs
DC48~55V POE**

1.2 Switch Connections

AirLive IGM-642BT-2.5G Industrial switch supports the high-power output PoE++ at 90W for Port 1. This higher output allows it to power more device then just an IP camera or Access point. The 90W PoE can be used to power on high power needed PoE Systems, Digital Signage or even PoE LED lighting and much more.

Ports 2 ~3 have a maxium output of 30W.

DIP Switch Control

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, Also the PoE Watch Dog function is Enabled. DIP Switch LED will be buring Solid Green.

Default: Normal mode, Normal communication with each port. The transmission distance is up to 100meter. PoE Watch Dog function not available. DIP Switch LED is Off.

Extend: Link extension mode, (Port 4) PoE power supply and data transmission distance can be extended to 250 meter at the transmission rate 10Mbps. Also, the PoE Watch Dog function is Enabled. DIP Switch LED will be flashing Green.

LED Indicator	Definition	State	Description
PWR (Red)	Power Indicator	Lighting	Powered
		Un-Light	No Power
Link (Green)	Port Indicator	Lighting	Connecting
		Flash	Data Transmition
		Un-light	Disconnect
PD (Green)	Power receiving Indicator	Lighting	Receiving power
		Un-light	No Receiving power
Mode (Green)	DIP Indicator	Lighting	VLAN
		Un-light	Default
		Flash	Extend
PoE (Yellow)	PoE Indicator	Lighting	PoE Powered
		Un-light	No Power

