

## IGS-5816-2P Series

8 10/100/1000T + 16 Dual Speed SFP L2+ Industrial Managed Switch

# Quick Installation Guide

## Introduction



Lantech IGS-5816-2P is a high performance L2 + managed industrial switch which provides L2 wire speed and advanced security function for network aggregation and backbone deployment. It delivers ITU G.8032 enhanced ring recovery less than 20ms including dynamic coupling ring, enhanced mode for easy configuration and aggregation ring\*, comprehensive QoS, QoS by VLAN, advanced security including ACL L2/L3, SSH/SSL, Mac based DHCP server, DHCP Option 82, DHCP server, IGMPv1/v2/v3/router port, QinQ\* (double tag VLAN) which are important features required in train and large network. It also supports Cisco Discovery Protocol (CDP) and LLDP for Ciscoworks to detect the switch info and show on L2 map topology.

\*Future release

Model name	Specifications
IGS-5816-2P-AC	Built-in 1x 85~265V AC IEC320 + 1x additional power socket; -20°C to 60°C
IGS-5816-2P-DC	Built-in 1x DC 9.5~56VDC power supply + 1x additional power socket; -20°C to 60°C



Correctly connecting the grounding cable is crucial to lightning protection and EMI protection.

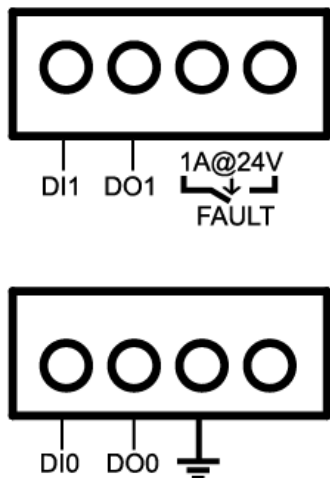
IGS-5816-2P-AC	IGS-5816-2P-DC
	
85-265VAC, 1.5A, 47-63HZ	12-56VDC, 2.5A
Make sure the power plug has the grounding pin.	Make sure the grounding cable is attached between switch, power supply and earth.

## Package contents

This unit can be installed by din-rail mounted or wall-mounted. Din-rail bracket is included while wall-mount brackets are optional.

- Managed Industrial Switch x 1
- Power cable x 1
- User manual x 1
- Pluggable Terminal Block x 2
- RS232 console cable x 1
- Rack mount bracket x 2

## DIDO and alarm relay connection



## Recommendation for shielded network cables

STP cables have additional shielding material that is used to reduce external interference. The shield also reduces the emission at any point in the path of the cable. Our recommendation is to deploy an STP network cable in demanding electrical environments.

## LED indicator

LED	Color	Status	Meaning
R.M.	Green	On	The industrial switch is the master of Ring group
		Off	The industrial switch is not a ring master in Ring group
PWR1	Green	On	Power 1 is active
		Off	Power 1 is inactive
PWR2	Green	On	Power 2 is active
		Off	Power 2 is inactive
FAULT	Red	On	Power or port failure
		Off	No failure
Dual Speed SFP	Green	On	A network device is detected.
		Blinking	The port is transmitting or receiving packets from the TX device.
		Off	No device attached
	Amber	On	1000M Speed
10/100/1000T RJ45	Green	On	A network device is detected.
		Blinking	The port is transmitting or receiving packets from the TX device.
		Off	No device attached
	Amber	On	The port is operating in full-duplex mode.
		Blinking	Collision of Packets occurs.
		Off	The port is in half-duplex mode or no device is attached.