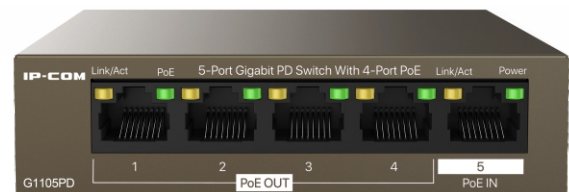# BRYCO

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G1105PD
5-Port Gigabit PD Switch With 4-Port PoE

G1105PD

5-Port Gigabit PD Switch With 4-Port PoE

Products Description

Featuring low cost, high performance and plug & play, the PoE switch G1105PD is both a PSE and a PD, designed for such surveillance networking scenarios as roads in parks/communities, medium to large factories, and colleges. Small and delicate, it can be installed in an outdoor waterproof box easily. The switch provides four 10/100/1000 Mbps PoE OUT ports (ports 1 to 4) compliant with IEEE 802.3af and one 10/100/1000 Mbps PoE IN port (port 5) compliant with IEEE 802.3af/at. The maximum PoE output power of the whole switch is 30 W. The switch can supply power and transmit data to low-power APs and IP cameras through CAT5 cables, greatly reducing the cost of the network deployment. It is an ideal choice for wired networking in monitoring scenarios of middle to long distance.

Key Feature

- Five 10/100/1000 Mbps auto-negotiation ports
- Port 5 supports power supply by a PSE compliant with IEEE 802.3af/at
- Ports 1 - 4 support power supply to low-power PDs compliant with IEEE 802.3af
- The switch supports auto MDI/MDIX, simplifing the network structure and maintenance.
- The non-blocking wire-speed forwarding function guarantees the smooth operation of network applications.
- Full-duplex flow control and half-duplex back pressure control prevent frame loss caused by port blocking.
- The switch supports the store-and-forward transfer mode and a 2 K MAC address table.
- The switch supports 9K jumbo frame, improving the forwarding rate of large files.
- The switch supports IP camera connection and guarantees the smoothness and clearness of monitoring videos.

Product Features

Gbps data transmission

The transmission rate of 5 Gigabit ports can reach up to 2000 Mbps in full-duplex mode. Full wire-speed forwarding functionality on all ports guarantees the smooth transmission of the surveillance videos monitored by HD IP cameras.

Integrated PSE & PD

The switch can be powered by a IEEE 802.3af/at compliant PSE through port 5 with an Ethernet cable, and supply power to such PDs as low-power APs and IP cameras through ports 1 to 4.

6 kV lightning protection

This switch provides short circuit protection for PSE and 6 kV lightning protection for all ports, protecting the switch itself to operate steadily from surge and lightning damages in thunderstorms.

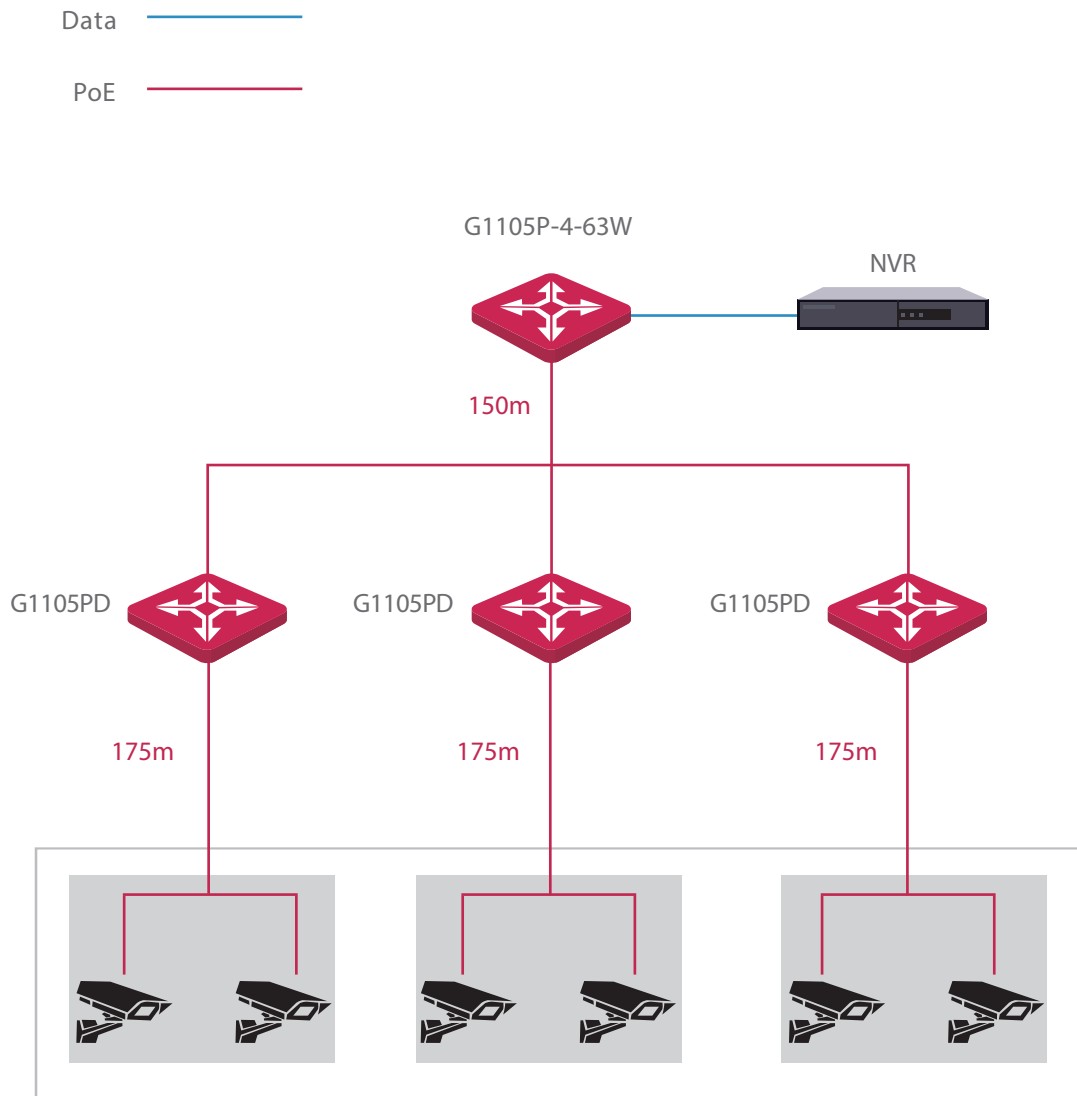### PoE Relay for long-distance network

As a relay, the switch can extend the data transmission distance to 325 meters at most and offer long-distance PoE power supply through multiple PoE ports.

Plug and play

With the plug and play functionality, the switch can be used directly after it is connected to a PSE with an Ethernet cable, reducing breakdowns as well as operation and maintenance cost.

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Application Scenarios

Data ——————

PoE ——————

G1105P-4-63W

NVR

150m

G1105PD   G1105PD   G1105PD

175m   175m   175m

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Product Model	G1105PD
Hardware specifications	
Network standards	IEEE802.3、IEEE802.3u、IEEE802.3x、IEEE802.3ab、IEEE802.3af、IEEE802.3at
Transmission media	10Base-T: CAT3 UTP or better 100Base-TX: CAT5 UTP or better 1000Base-T: CAT5e UTP or better
Dimensions (L x W x H)	100mm x 100mm x 26mm
Product material	Metal
Fan	Fanless
LED indicators	1 x Power LED indicator 4 x PoE LED indicator 5 x Link/Act LED indicator

Service port description		
Fixed ports		5 x 10/100/1000 Mbps auto-negotiation RJ45 ports (supporting Auto MDI/MDIX)
PoE out	PoE standard	IEEE802.3af
	PoE power cable core	8 cores: voltage of cores 1, 2, 4, 5 is +, and cores 3, 6, 7, 8 is -
	PoE port	1-4
	Maximum output power of a single port	15.4W
	Maximum output power of the switch	30W
PoE in	PoE in standard	IEEE802.3af、IEEE802.3at
	PoE in port	5
	PoE input	50-57V DC，0.6A
Protection		Port lightning protection: 6 kV Power lightning protection: No Electrostatic protection:- Air discharge: ±8 kV - Contact discharge: ±6 kV

Performance	
Forwarding mode	Store-and-forward
Switching capacity	10Gbps

Packet forwarding rate	10Mbps：14880pps 100Mbps：148800pps 1000Mbps：1488000pps
Buffer	1Mb
MAC address table	2K
Jumbo frame	9K
Installation method	Desktop mounting: Support Wall mounting: Not support Rack mounting: Not support
Environment	Operating temperature: 0°C - 45°C Storage temperature: -40°C - 70°C Operating humidity: (10% - 90%), non-condensing Storage humidity: (5% - 90%), non-condensing
Certificates	CQC, FCC, CE, RoHS
Software specifications	
Protocol	CDMA/CD
MAC address learning	Auto-learning, auto-updating
Function	No

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