

# SWDL-H-2GPSP-2USF-B

## GIGABIT POE POWER BOOSTER SWITCH



### POWER BOOSTER

12 / 24 / 48 Vdc  
power input

### POE++ 60W

Higher POE budget

### 2X SFP

Multipoint

### K21

Higher immunity

### COST SAVING

## Introduction

SWDL-H-2GPS-2USF-B is a non-manageable Gigabit POE switch with 2x SFP uplinks and 2x POE+/POE++ Ethernet ports.

SWDL differentiates from other products by its **power supply input that starts at industry standard 12 or 24 Vdc thanks to its internal Power Booster circuit** that generates the 50 Vdc voltage required for the POE interfaces. This brings many benefits to industrial networks as it saves on power supplies, it simplifies battery backup systems, it saves a lot on engineering requirements and on material cost.

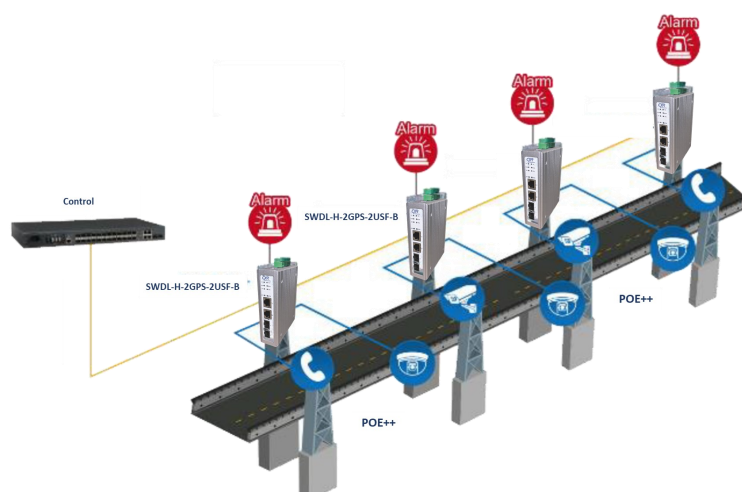
SWDL provides **2x SFP uplink interfaces that enable multipoint**, drop-insert topologies in Ethernet networks. This is very valuable for video-protection, transportation or utility applications.

SWDL delivers two Gigabit Ethernet ports, one with POE+ and another with POE++ 60W capability to serve any power requirement of voice, Wi-Fi, video-protection or other industry requirement.

SWDL is a ruggedized product with higher K21 surge protection against lightning storms that affect outdoor applications.

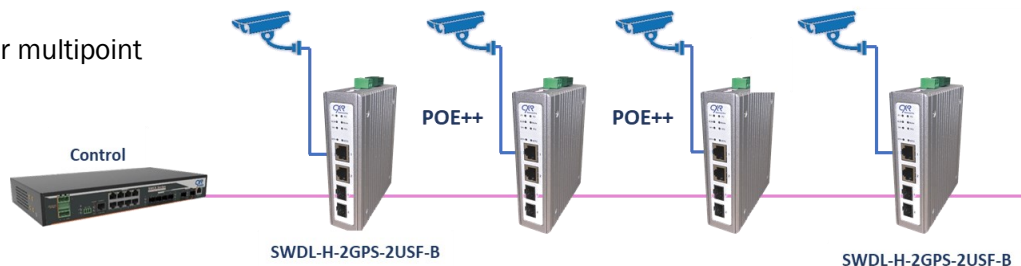
## Applications

SWDL switch provides multipoint Ethernet distribution for multiple applications such as video-protection, voice alert, Wi-Fi or other industry requirements. Its standard 12-24 Vdc power inputs provides great savings on power supply and battery backup systems, space, and engineering requirements.

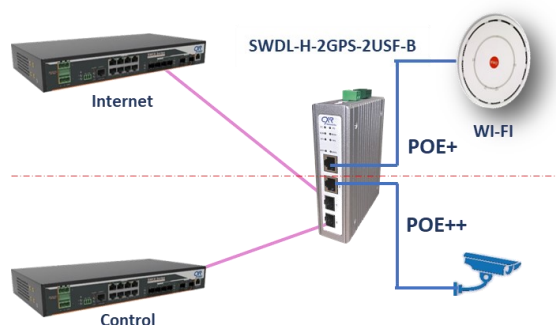


## Fiber Link Modes of Operation

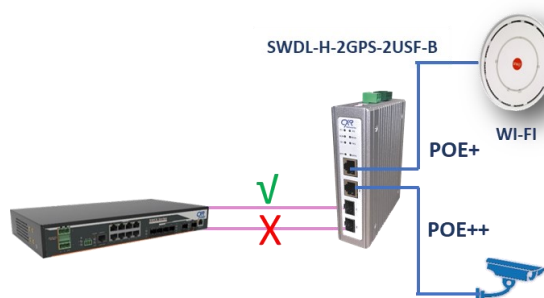
**Switch mode** can be used for multipoint or daisy-chain applications



**Dual-Converter mode** can be used to provide total isolation of two applications. One SWDL behaves like two pieces of Media Converters



**Backup mode** can be used to secure the fiber connection for mission critical applications



## Specifications

Ethernet Interfaces	
Fiber optic	2x 100/1000Base-X SFP slots
RJ45	2x 10/100/1000BaseT MDI/MDIX auto negotiation
POE	1x port 30W, 802.3af/at
Fiber Modes	
Switch	Normal switching mode between SFP
Backup	1+1 protection between SFP ports
Dual Converter	SFP-1 to RJ45-1 and SFP-2 to RJ45-2
Ethernet	
Switch	store and forward
MAC Address	2 K
Frame buffer	128 Kbytes
Frame size	9 KBytes

Management	
Settings	DIP switches
Alarm relay	Power and fiber failure
Power supply	
Input	2x power inputs, terminal bloc
Voltage range	12 to 57 Vdc
Power consumption	96 W max, POE included
Environmental	
Format	DIN rail mounting clip
Size (WxDxH)	36 x 110 x 135 mm
Weight	0.7 kg
Operating temperature	-40 to +75 °C
Hygrometry	5 to 90%, non condensing
Compliance	CE, ROHS, EN55022, EN55024, K-21

## Ordering information

Reference	SFP	RJ45 #1	RJ45 #2	Power supply
SWDL-H-2GPS-2USF-B	2	POE+ 30W	POE+ 30W	12 - 57 Vdc
SWDL-H-2GPSP-2USF-B	2	POE+ 30W	POE++ 60W	12 - 57 Vdc



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