

ALLNET ALL-SWI8142BP / 4 Port PoE + 2 SFP Gigabit Switch PB



EAN CODE



Highlights:

- Super Voltage Booster -- 12V/24V/48VDC Power input
- Rugged Industrial 6 port Gigabit POE Injector
- 4x10/100/1000M TX PSE (802.3af/at POE+)
- 2x100/1000M SFP Slots for MiniGbic Modules
- Boost Voltage from 12/24/48VDC to 55VDC
- Voltage input range 12-56VDC, Operating temp: -40°C to +75°C

Introduction

This Super Voltage Booster --- The high power 6 port industrial POE+ Switch is equipped with our high efficiency ColdDesign technology which allows low input voltage, such as 12/24/48VDC be boost up to 55VDC to meet IEEE802.3at requirement. The ColdDesign technology will not only boost up Input Voltage, also reduce the excessive heat problem to a minimum. It accepts the input voltage as low as 12VDC, to be boost up to 55VDC. And it is also equipped with 2 port SFP ber that can be used as ber redundancy, cascaded to your other devices to expand your network application. It is being rigorously tested for your Security, Transportation and Telco application.

Technical Details:

IEEE Standard

IEEE 802.3 10Base-T Ethernet
IEEE 802.3u 100Base-TX Fast Ethernet
IEEE 802.3ab 1000Base-T Gigabit Ethernet
IEEE 802.3z 1000Base-X Gigabit Ethernet



	IEEE802.3x Flow Control and Back Pressure,
	IEEE802.3af for POE
	IEEE802.3at for POE+
Data Processing	Store and Forward
Flow Control:	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	9KB
MAC address Table Size	1K
Packet Buffer Size	1M
Network Connector :	5xRJ-45 10/100/1000BaseT(X) auto negotiation,
	4 Giga POE+ 802.3at/af 30W PSE per port
	Auto MDI/MDI-X function, Full/Half duplex
	2 x SFP 100/1000M BaseX
Network Cable	UTP/STP Cat.5e or above Cable
	EIA/TIA-568 10-ohm (100m)
	Fiber Cable (Multi-mode):50/125um,62.5/125um
	Fiber Cable (Single-mode): 9/125um
Protocol	CSMA/CD
LED	PW1(Power 1) Green,
	PW2(Power 2) Green,
	ERR (Fault) Amber,
	TX/RJ-45 port:
	LNK (Link/Active) Green,
	SPD(Speed) 10/100(OFF) ,1000 (Green)
	SFP Fiber Per port:
	Link (Green)
	Active Flash
DIP Switch	DIP 1: OFF: Port 5 SFP ON (DEFAULT) ON: Port 5 SFP OFF
	DIP 2: OFF: SFP 1000M (DEFAULT) ON: SFP 100M
Reserve polarity protection	Present
Overload current protection	Present
Power Supply	Redundant Dual DC 12V-56V Power Input
Power Consumption	5.76W@12/24/48 VDC full load, Without POE



Alarm Relay Contact

Relay outputs with current carrying capacity of 1 A @24VDC,

Relay in short circuit mode when 2 powers are connected. in open circuit mode when only one power supply is connected

POE power

POE power per port 30watts. Maximum 36Watts per port at 12/24/48VDC input

Maximum total power 126Watts at 24VDC and 48VDC power input.

Removable Terminal Block

Maximum total power 65W at 12VDC power input
Provide 2 Redundant power, Alarm relay contact ,6 Pin

Wire range: 0.34mm² to 2.5mm²

Solid wire (AWG):12-24/14-22

Stranded wire(AWG): 12-24/14-22

Torque:5lb-In/0.5Nm/0.56Nm

Wire Strip length: 7-8mm

-40° ~ 75° fully tested.

5% to 95% (Non-condensing)

-40° ~ 85° C

510,304 hrs (MIL-HDBK-217F) at 25°C

Rugged Metal, IP30 Protection

142mmx43mmx105mm (LxWxD)

DIN Rail mounting and Wall Mounting

Operating Temperature

Operating Humidity

Storage Temperature

MTBF (mean time between failure)

Housing

Case Dimension (L x W x D)

Installation mounting

Certifications:

EN55022/24

EN50155

EN55011

EN50121-3-2

EN50121-4

ITE equipment

Railways Applications Electronic Equipment used on Rolling Stock

Industrial, Scientific and Medical (ISM) equipment

Railway Applications – Electromagnetic Compatibility – Part 3-2 Rolling Stock - Apparatus

Railway Applications – Electromagnetic Compatibility – Part4 Emissions and Immunity of the Signaling and Telecommunications Apparatus

IEC EN60950-1

CE, FCC, VCCI

FCC Part 15 Subpart B Class A,

CE EN 55022 Class A

Safety

EMC/EMS

EMI

Vibration

Shock

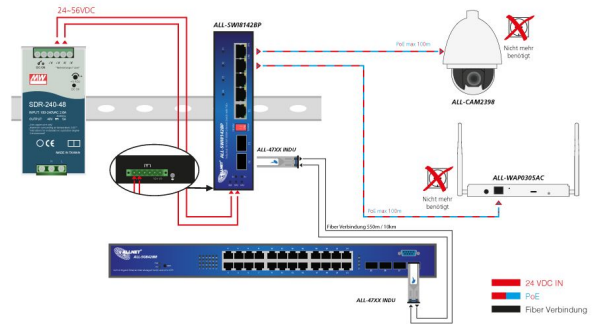
Free Fall

EN 50155 / EN 60068-2-6

EN 50155 / EN 60068-2-27

EN 50155 / EN 60068-2-32

Additional Images



Accessories

Part No.	Name
140523	Synergy 21 Netzteil - 48V 75W Mean Well Hutschiene, schmal
140522	Synergy 21 Netzteil - 48V 120W Mean Well Hutschiene, schmal
131244	Synergy 21 Netzteil - 48V 240W Mean Well Hutschiene
174789	Synergy 21 Netzteil - 48V 480W Mean Well Hutschiene parallel Funktion
146994	Synergy 21 Netzteil - 48V 480W Mean Well Hutschiene
146996	Synergy 21 Netzteil - 48V 960W Mean Well Hutschiene
128033	ALLNET Switch Modul ALL4750-INDU SFP(Mini-GBIC), 1000Mbit, SX/LC, Industrial -40/+85 Grad,
128034	ALLNET Switch Modul ALL4751-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 10Km, Industrial, -40/+85 Grad,
140955	TP(RJ45) POE-Tester, at/af, Endspan/Midspan, standard, Synergy 21,
148333	ALLNET 19"zbh. Gerätehalter für Hutschiene/DIN-Rail Geräte, T150mm/5HE, Lichtgrau, Frontmontage,