

Product Datasheet

3-Port Gigabit PoE Extender

(B1-PSE-PD3321)



OVERVIEW

B1-PSE-PD3321 is an unmanaged PoE extender, it has 2*10/100/1000M PoE ports and 1*10/100/1000M uplink PD RJ45 port. Port 1-2 can support IEEE802.3af/at PoE standard, single-port PoE power up to 25W. The working power of the PoE extender is taken from the PoE switch and no additional power supply. It is installed at the end of the 100 meters network cable to extend the network and POE power supply by 100 meters at full speed. As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webcam, VoIP, video access control, etc. through a network cable, to meet the network environment that requires high-density PoE power supply, and to reduce the bandwidth to solve the twisted pair POE transmission within 200 meters. It is suitable for hotels, campuses, factory dormitories, and small and medium-sized enterprises to form a cost-effective network.



Unmanaged mode, plug and play, no configuration, easy to use.

FEATURE

■ Gigabit access, uplink PD RJ45 port

- 3*10/100/1000Base-T RJ45 ports to meeting the power supply and transmission requirements of the scene within 200 meters.
- ♦ Support non-blocking wire-speed forwarding.
- ♦ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

Intelligent PoE power supply

- 2* 10/100/1000Base-T RJ45 ports can support PoE power supply to meeting the needs of PoE power supply in various security scenarios.
- ◇ IEEE 802.3af/at PoE standard, without damaging non-PoE devices.

Innovative function

- PoE extender can extend the network signal transmission distance and POE power supply distance
- When the PoE extender is working, it does not need an external power supply to easily solve the bandwidth and power network cable transmission within 200 meters

Stable and reliable

- \diamond CCC,CE, FCC, RoHS.
- ♦ Plug and play, no configuration, easy to use and maintain.
- The user-friendly panel, it can show the device status through the LED indicator of PWR, Link PoE.
- Low power consumption, fan-less silent design, advanced ABS and PC flame-retardant plastic shell is exquisite and beautiful.



TECHNICAL SPECIFICATION

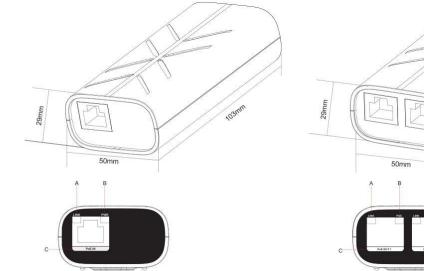
Interface Character:Pixed Port2'10/100/1000Base-T PoE ports (Data/Power) '10/100/1000Base-T uplink PD RJ45 port (Data/Power)Pixed PortPort 1-3 support 10/100/1000Base-T auto-sensing,Full/half duplex 'MD/MDI-X self-adaptionTurnsmission0BASE-T:Cat3,4,5 UTP(≤100 meter) '00BASE-T: Cat5 or later UTP(≤100 meter) '000BASE-T: Cat5 or later UTP(≤100 meter) '000BASE-T: Cat5e or later UTP(≤100 meter)Port ParameterIEE802.3 10BASE-T, IEEE802.3 i 10BASE-T IEEE802.3 u 100Base-TX, IEEE802.3 ab 1000Base-T IEEE802.3 u 100Base-TX, IEEE802.3 u 100Base-T IEEE802.3 u 100Base-TX, IEEE802.3 u 100Base-T IEEE802.3 u 100Base-TX, IEEE802.3 u 100Base-T IEEE802.3 u 100B	Model	B1-PSE-PD3321			
Fixed Port1*10/100/1000Base-T uplink PD RJ45 port (Data/Power)Ethernet PortPort 1-3 support 10/100/1000Base-T auto-sensing,Full/half duplex MDI/MDI-X self-adaptionTwisted Pair Transmission10BASE-T:Cat3,4,5 UTP(≤100 meter) 100BASE-T:Cat5 or later UTP(≤100 meter) 100BASE-T: Cat5e or later UTP(≤100 meter) 100BASE-T: Cat5e or later UTP(≤100 meter)Ctip ParameterNetwork ProtocolIEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEEE802.3uForwarding ModeStore and Forward(Full Wire Speed)Switching Capacity12Gbps(non-blocking)Forwarding Rate@64byte2KMAC2KBuffer Memory0.2K	Interface Characteristics				
Initial initia	Fixed Port	2*10/100/1000Base-T PoE ports (Data/Power)			
Ethernet PortMDI/MDI-X self-adaptionTwisted Pair Transmission10BASE-T:Cat3,4,5 UTP(≤100 meter) 100BASE-T:Cat5 or later UTP(≤100 meter) 100BASE-T: Cat5e or later UTP(≤100 meter) Chip Parameter Method ParameterIEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEEE802.3acForwarding ModeStore and Forward(Full Wire Speed)Switching Capacity12Gbps(non-blocking)Forwarding Rate@64byte4.46MppsMAC2KBuffer Memory2MJumbo Frame9.2K		1*10/100/1000Base-T uplink PD RJ45 port (Data/Power)			
MDI/MDI-X self-adaptionTwisted Pair Transmission10BASE-T:Cat3,4,5 UTP(≤100 meter) 100BASE-TX:Cat5 or later UTP(≤100 meter) 100BASE-T: Cat5e or later UTP(≤100 meter)Chip ParameterIEEE802.3 10BASE-T: Cat5e or later UTP(≤100 meter)Network ProtocolIEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEEE802.3uForwarding ModeStore and Forward(Full Wire Speed)Switching Capacit12Gbps(non-blocking)Forwarding Rate@64byteMAC2KSuffer MemoryJumbo FrameMACSuffer MemoryJumbo FrameAutomation	Ethernet Port	Port 1-3 support 10/100/1000Base-T auto-sensing,Full/half duplex			
Twisted Pair Transmission100BASE-TX:Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)Chip ParameterChip ParameterIEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEEE802.3ab 1000Base-T IEEE802.3ab 1000Base-T IEEE802.3ab 1000Base-TForwarding ModeStore and Forward(Full Wire Speed)Switching Capacity12Gbps(non-blocking)Forwarding Rate@64byte4.46MppsMAC2KBuffer Memory2MJumbo Frame0.2K		MDI/MDI-X self-adaption			
Transmission100BASE-TX:Cat5 or later UTP(≤100 meter)DOBASE-T: Cat5e or later UTP(≤100 meter)Chip ParameterEEE802.3 t0BASE-T, IEEE802.3 t0Base-TNetwork ProtocolIEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TIEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TIEEE802.3aForwarding ModeStore and Forward(Full Wire Speed)Switching Capacity12Gbps(non-blocking)Forwarding Rate@64byte4.46MppsMACSKBuffer Memory2MJumbo Frame9.2K		10BASE-T:Cat3,4,5 UTP(≤100 meter)			
IOOOBASE-T: Cat5e or later UTP(≤100 meter)Chip ParameterIEEE802.3 10BASE-T, IEEE802.3 10Base-TNetwork ProtocolIEEE802.3 u 100Base-TX, IEEE802.3 ab 1000Base-TIEEE802.3 u 100Base-TX, IEEE802.3 ab 1000Base-TIEEE802.3 uIEEE802.3 uForwarding ModeStore and Forward(Full Wire Speed)Switching Capacity12Gbps(non-blocking)Forwarding Rate@64byteA-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-		100BASE-TX:Cat5 or later UTP(≤100 meter)			
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Network ProtocolIEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEE802.3xForwarding ModeStore and Forward(Full Wire Speed)Switching Capacity12Gbps(non-blocking)Forwarding Rate@64byte	Chip Parameter				
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Forwarding ModeStore and Forward(Full Wire Speed)Switching Capacity12Gbps(non-blocking)Forwarding Rate@64byte	Network Protocol	IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T			
Switching Capacity12Gbps(non-blocking)Forwarding Rate@64byte4.46MppsMAC2KBuffer Memory2MJumbo Frame9.2K		IEEE802.3x			
Forwarding Rate@64byte4.46MppsMAC2KBuffer Memory2MJumbo Frame9.2K	Forwarding Mode	Store and Forward(Full Wire Speed)			
Rate@64byte4.46MppsMAC2KBuffer Memory2MJumbo Frame9.2K	Switching Capacity	12Gbps(non-blocking)			
Rate@64byteMAC2KBuffer Memory2MJumbo Frame9.2K	Forwarding	4.46Mpps			
Buffer Memory 2M Jumbo Frame 9.2K	Rate@64byte	4.40Mpps			
Jumbo Frame 9.2K	MAC	2K			
	Buffer Memory	2M			
LED Indigator Dowor: DWD (groop) Date: Link(vallow) DOE: DaE (groop)	Jumbo Frame	9.2K			
LED Indicator Power. PWR (green), Data. Link(yeilow), POE: POE (green)	LED Indicator	Power: PWR (green), Data: Link(yellow), POE: PoE (green)			
PoE & Power Supply					
PoE Port Port 1-2 support IEEE802.3af/at @ POE	PoE Port	Port 1-2 support IEEE802.3af/at @ POE			
Power Supply Pin Default 1/2 (+), 3/6 (-), Optional 4/5(+), 7/8(-)	Power Supply Pin	Default 1/2 (+), 3/6 (-), Optional 4/5(+), 7/8(-)			
Max Power Per	Max Power Per				
Port 25W, IEEE802.3af/at (Limited by max input power of at)	Port	25W, IEEE802.3af/at (Limited by max input power of at)			

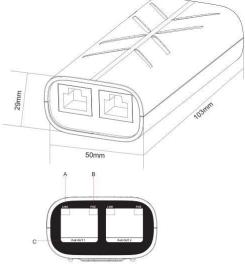


Total PWR / Input Voltage	25W (PoE)			
Power Consumption	Standby<2W,Full load<30W			
Input Voltage and Interface	PoE (IEEE802.3af/at), RJ45 port connection			
Power Supply	N/A			
Physical Parameter				
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing			
Storage TEMP / Humidity	-40~+80°C, 5%~95% RH Non condensing			
Dimension (L*W*H)	103*50*29mm			
Net /Gross Weight	<0.07kg /<0.08kg			
Installation	Desktop, wall mounted			
Certification & Warranty				
Lightning protection / protection level	Port lightning protection: 4KV 8/20us, Protection level: IP30			
Certification	CCC,CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS			
Warranty	2 years, lifelong maintenance.			



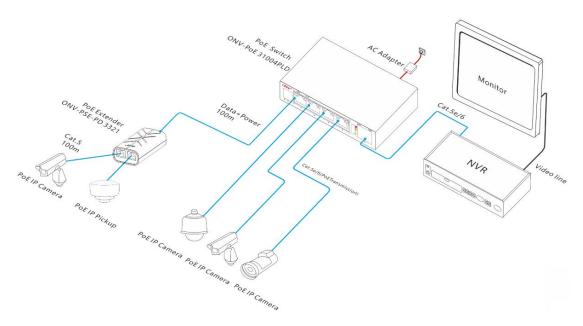
DIMENSION





- A. Network working indicator B. Power Indicator C. PoE input port
- A. Network working indicator B. PoE working indicator C. PoE output port

APPLICATION





ORDERING INFORMATION

Model	Description			
B1-PSE-PD3321	Unmanaged PoE extender with 2*10/100/1000M PoE ports and			
	1*10/100/1000M uplink PD RJ45 port. Port 1- 2 can support			
	IEEE802.3af/at PoE standard. Extend data communication and power			
	supply by 100 meters. (Plastic shell)			
B1-PSE-PD3121	Unmanaged PoE extender with 2*10/100M PoE ports and 1*10/100M			
	uplink PD RJ45 port. Port 1- 2 can support IEEE802.3af/at PoE standard			
	Extend data communication and power supply by 100 meters. (Plastic			
	shell)			

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	3-port Gigabit PoE extender	1	SET
	User Guide	1	PC
	Warranty Card	1	PC



