

# P3502CE

**Waterproof Box-shaped Passive PoE  
Extender Adapter**



*Easy Network, Trustable*

## OVERVIEW:

This P3502CE is an 1-to-2 Fast Ethernet POE relay switch independently developed by our company. It is compatible with IEEE802.3af/at standard protocol, supports POE power reception, and can connect 2 PDs (powered devices). It also features ultra-long distance function: when the network cable is too long and the signal is too weak, the extend mode can be turned on to support POE transmission up to 250 meters. In addition, its waterproof box-shaped casing reaching IP66 protection standards makes it greatly suitable for outdoor use.

## KEY FEATURES:

- IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards
- Supports IEEE802.3af/at standard, compatible with PDs that support IEEE802.3af/at
- Supports normal switch/extended transmission, 2 modes
- Uses a separate POE power port to input power, IEEE802.3af/at protocol
- Provides 2\*10/100M POE power supply ports and 1 uplink 10/100M power receiving RJ45 port
- All ports support Auto MDI/MDI-X function
- Supports IEEE802.3X full-duplex flow control and Back pressure half-duplex flow control
- All ports have wire-speed forwarding capabilities
- Supports autonomous learning and aging of MAC address
- Supports IEEE802.3at standard, full load power can reach 30W
- Plug and play

## SPECIFICATION:

HARDWARE	
Interface	2*100Mbps POE Port + 1*100Mbps Input Port
Basic function	Comply with IEEE 802.3 Ethernet and IEEE802.3u Fast Ethernet protocol standards Compatible with PDs that compliant with IEEE 802.3af/at

	<p>standard</p> <p>Compatible with certified non-standard PD</p> <p>Store and forward</p> <p>MAC automatic learning and aging</p> <p>IEEE802.3X full-duplex flow control and Back pressure half-duplex flow control</p>
Standards	<p>IEEE 802.3 Ethernet Media Access Control Protocol</p> <p>IEEE 802.3i 10BASE-T Ethernet</p> <p>IEEE 802.3u 100BASE-TX Fast Ethernet</p> <p>IEEE 802.3af enables powering Ethernet devices through Ethernet data pairs or devices</p> <p>IEEE 802.3at realizes high-power power supply for Ethernet devices through Ethernet data wire pairs or devices</p> <p>IEEE 802.3x flow control</p>
Mode	<p>OFF (standard mode)</p> <p>ON (extend mode)</p>
Data Transfer Rate	<p>Ethernet 10Mbps half duplex, 10Mbps full duplex</p> <p>Fast Ethernet 100Mbps half duplex, 100Mbps full duplex</p>
Store & Forwarding	Yes
Switching Capacity	0.6G
MAC Address Table Size	2K
Power input	Supports standard POE, uses IEEE802.3at to receive power, 30W max
Cabling type	<p>100Base-TX: Cat 5e or better UTP/STP(≤100m)</p> <p>10Base-TX: Cat 5e or better UTP/STP(≤250m)</p>
<b>OTHER</b>	
Dimensions	151*98*36mm(L*W*H)
Environment	<p>Operating Temperature : 0°C ~ 40°C</p> <p>Operating Humidity : 10% ~ 90% RH non condensing</p> <p>Storage Temperature : -20°C ~ 70°C</p>



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	Storage Humidity : 5% ~ 90% RH non condensing
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