

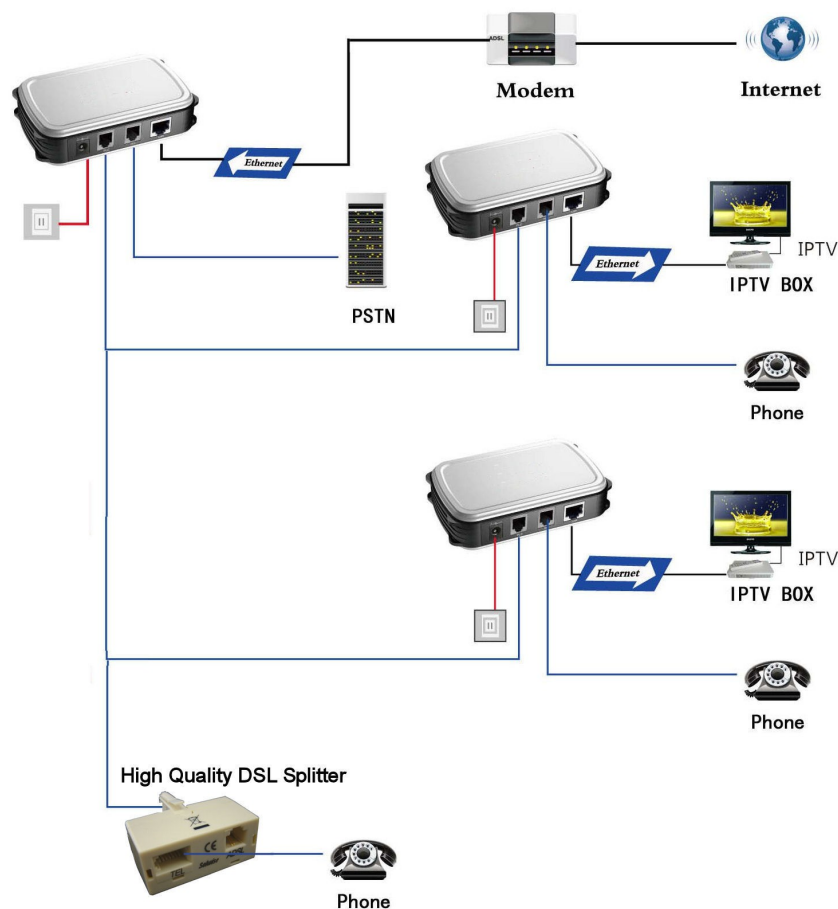
# TP-E500C

## Twisted Pair 500 Ethernet Unit (common mode)



### Features

- Up to 95Mbps TCP
- Data transmission over standard twisted pair wires, e.g. cat5, telephone
- Cable length up to 1.5Kms
- 10/100Mbps Ethernet interface, RJ12 connections for twisted pair connectivity
- QAM 16/64/256/1024 DQPSK, DBPSK and ROBO modulation techniques
- Support integrated delivery of quality assurance (QOS) features and functions of Multicast and IGMP
- Up to 16 points sharing the same wire
- 128 bits AES data encryption and key management technology
- Peer to Peer network infrastructure
- Plug and Play (Plug and Play) setup



## Specifications:

<b>Network Standards</b>
HomePlugAV IEEE802.3-10M Ethernet, IEEE802.3u – 100M Fast Ethernet, IEEE802.3x
<b>Connectors</b>
Ethernet: One RJ-45 Ports HomePlugAV: Two RJ-12 Ports, One for PLC, the Other One for Phoneline By-Pass
<b>Transmission Speed</b>
• 500Mbps (2-68MHz) PHY, up to 95Mbps TCP
<b>Transmission Distance</b>
Up to 1500m
<b>Quality of Service</b>
TAG VLAN Pass Through Priority Mapping based on IEEE802.1p/IP TOS/Diffserv
<b>Fast Ethernet Interface</b>
10/100Mbps, MDI/MDI-X Auto Crossover
<b>Indicators</b>
Power LED, Ethernet Link/Activity LED, PLC Link/Activity LED
<b>Power Requirement</b>
Power: 12VDC, Consumption:<3Watts
<b>EMI/EMC</b>
FCC Part 15, ROHS, CE
<b>Environmental Conditions</b>
Operating Temperature:-10°C~70°C Storage Temperature:-10°C~70°C Operating Humidity:10%~95%,Non-condensing
<b>Physical Dimension</b>
120mm(W)x75mm(D)x30mm(H)
<b>Unit Weight</b>
110g