

LongRange PoE++ (bt) IP Ethernet over UTP Transceiver

Product Features

- **World's First LongRange (1,312 feet. / 400Meter) PoE++ (bt) power pass-through IP Ethernet over UTP Transceiver!**
- **Support 70VDC 100W AC/DC adapter for the LongRange PoE++ (bt) power pass-through feature**
- Small form factor for Limited Space installation site
- Long range Ethernet data extension over UTP
Typical Data transfer range. 1,312 feet. (400 meter)
- Enhanced Crosstalk Free feature for multiple installation (One power supply for MDU installation)
- Power DC Jack Polarity Free feature, which does not care Power installation Polarity
- Automatic Quality of Service (QoS) features for seamless network streaming
- IEEE 802.3 af/at/bt Compliant PoE for PoE Powered Device(PD), Wi-Fi AP, IP Intercom, IP camera, VoIP
- Easy configuration and No IP address & network setup required



Product Description

Beyond the 1,312ft. (400Meter) PoE Power coverage

The Hi-UTP™, model C4L6400-TWP-BT is the World's First Long Range PoE++ (bt) IP Ethernet over UTP transceiver. It support up to 1,312 Feet (400Meter) PoE++ (bt) power pass-through for High Power IP Intercom, IP Camera, PoE LED, PA Speaker, Digital Signage, Wi-Fi AP and etc. application.

Small Form Factor

C4L6400-TWP-BT have a small size form factor (40 x 42 x 76 mm, H x W x L) for the small and narrow area installation site. Its small form factor helps for the most camera housings.

Long Distance Data Transfer Coverage

C4L6400-TWP-BT support up to 400 meter distance full-duplex data transfer coverage. It could re-use the legacy UTP cable in Home, Residential Building and large building. It transports the High Definition content, Mass-Storage information and Data Streaming service to the remote installation sites without any delay.

Polarity and Crosstalk Free features

C4L6400-TWP-BT support the Power DCJack Polarity Free features for the installation fields. This features help the simple and easy installation for the complex installation situation.

Also, it support Crosstalk Free features for the MDU installation fields.

1 Master to Multi Slave network topology

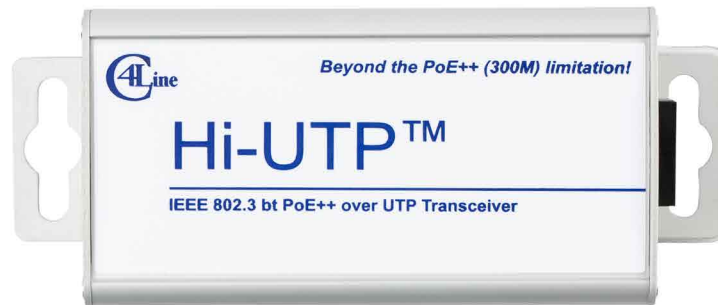
C4L6400 Series product support the 1 Master to Multi slave network topology. Its network topology could support various network topology (Star, BUS, Ring, Mesh and etc.). Also, it reduce the installation costs dramatically.

Ready for Multi-Dwelling Unit (MDU) installation

C4L6400-TWP-BT have the robust immunity for cross-talk problem. Also, it support the auto-negotiation data throughput features for Multi-Dwelling Unit (MDU) installation site. It helps to prevent the network conflict and critical network errors.

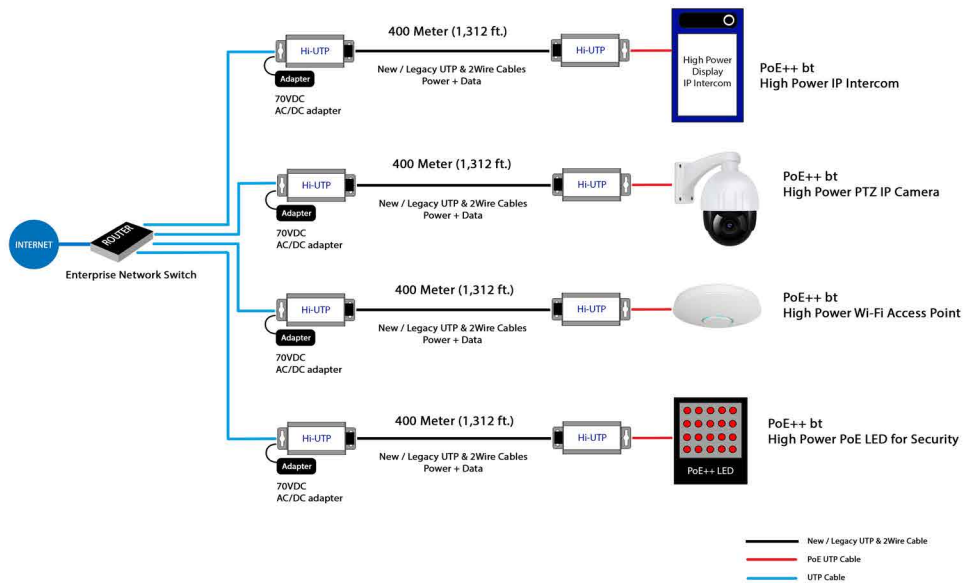
IEEE 802.3 af/at/bt 90W PoE++ Type4

C4L6400-TWP-BT support the IEEE 802.3 af/at/bt 90Watts PoE++ feature for IP Intercom, IP Camera, PoE LED, PA Speaker, Digital Signage, Wi-Fi AP and etc. It reduce the wiring cost for power supply at the remote installation sites.

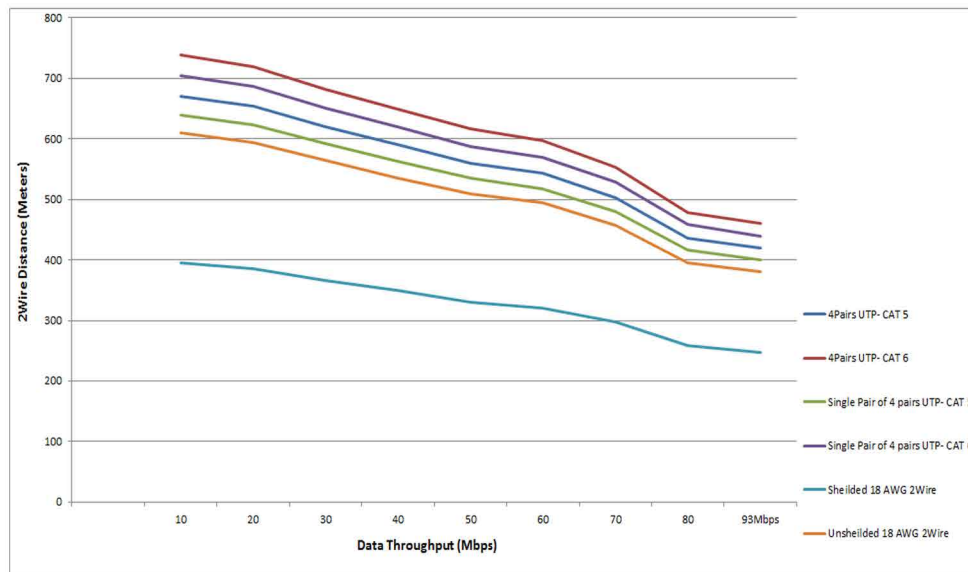


Standards	Ethernet Specification IEEE 802.3, IEEE 802.3u, IEEE 802.3x, Auto MDI/X
Protocols	TDMA & CSMA/CA
Transmission Speeds	Ethernet : 10 / 100 Mbps Extended UTP : 200 Mbps
Modulation	Modulation : OFDM – 1024/256/64-QAM, QPSK, BPSK, ROBO
Frequency Band	1.8 ~ 30 MHz
Security	128 bit AES Encryption
Power Consumption	2.7 Watts
AC to DC Power Supply	Input AC : 100 ~ 240 VAC, 50 ~ 60 Hz 5V to 70VDC / 1A ~ 1.6A (For PoE Function, please use 48V 0.83A Adapter at least.)
Ethernet Interface	- Connector Type : RJ45 - Speed : 10/100 Base T, half/full duplex, auto-negotiation
PoE Standard	IEEE 802.3 af/at/bt PoE++ Type4, 90Watts
Extended Port Interface	- Connector Type : RJ45 or Similar - UTP cable Type : Cat 5E. / Cat 6. / Cat 7. / 2Wire - Transmit Coverage : 1,312 feet (400m)
IGMP	- Support IGMP managed multicast sessions - IGMP snooping with multicast to multiple unicast support - IGMP/MLD Address Filtering
LED Indication	- Power : BLUE – Power On - TWP : Green – Link On - PoE : Green – Link On / PoE Connected : White
Mechanical Dimension	40 x 42 x 76 mm, 1.57 x 1.65 x 2.99 in (H x W x L)
Weight	120 g (4.2 oz)
Material	Aluminum Extruded
Temperature	- Operating Temperature : -10°C ~ +50°C (+14°F ~ +122°F), i-Temp Ver. : -40°C ~ +80°C - Storage Temperature : -30°C ~ +70°C (-22°F ~ +158°F), i-Temp Ver. : -40°C ~ +80°C
Humidity	10 ~ 90 % Humidity (non-condensing)
Certifications	CE Class A, FCC
Polarity & Crosstalk Free Features	Power DCJack Polarity and Crosstalk Free features

C4L6400-TWP-BT Typical Application



C4L6400-TWP-BT Wire Distance & Data Throughput Chart



C4L6400-TWP-BT Power Distance Chart @48VDC

