



G.UTP™ **C4L2000G-TWP-P**

The G.UTP™, model C4L2000G-TWP-P is the true gigabit IP Ethernet over UTP transceiver. It support up to 2 Gbps data transfer speed for AV Devices, IP Networking, Game Console and IP Surveillance application. Its powerful data streaming technology transports ultra-high speed HD Entertainment networks in Home, Residential Building and large building.



2 Gbps Speed

C4L2000G-TWP-P support up to 2 Gbps data transfer performance via UTP cables. So, it could be used for 8K Ultra HD AV streaming service, Game Console, 4K IP Camera surveillance, IEEE 802.11ax Gigabit Wi-Fi backbone network and other Gigabit network infrastructure application.

Long Distance Data Transfer Coverage

C4L2000G-TWP-P support up to 700 meters distance full-duplex data transfer coverage. It takes a major step of forward in the Gigabit IP extender fields. It transports the Ultra-High Definition content, Mass Storage information and 8K Streaming service to the remote installation sites without any delay.

Multiple input and Multiple output (MIMO)

C4L2000G-TWP-P's Multiple input and Multiple output (MIMO) technology achieves enlargement of peak data throughput and expanded data transmit coverage.

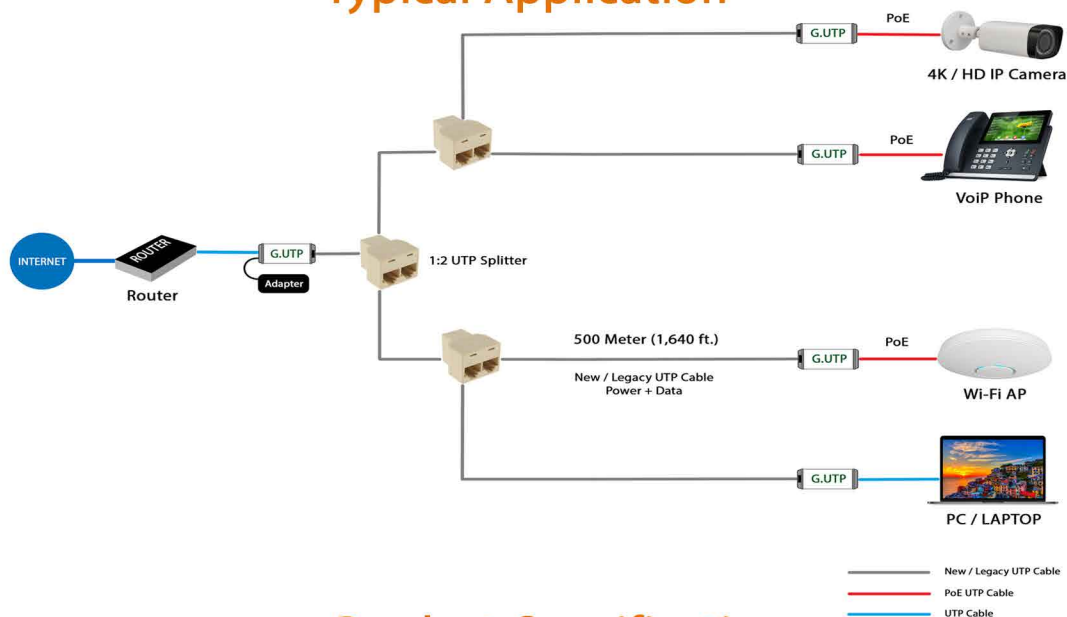
1 Master to Multi Slave network topology

C4L2000G 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.

Product Application

*AV Network, Data Network, Home Network
Surveillance Network, Voip Network,
IPTV Network, Wi-Fi Network*

Typical Application



Product Specification

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3az, IEEE 802.3p, Auto MDI/X ITU-T G.hn Standard (Recommendations G.9960, G.9961, G.9962, G.9963 and G.9964)
Protocols	TDMA, CSMA
Transmission Speeds	Ethernet : 10 / 100 / 1000 Mbps Extended UTP : 2000 Mbps
Modulation	Modulation : OFDM – 4096/1024/256/64-QAM, QPSK, BPSK
Frequency Band	3.5 ~ 190 MHz
Security	128 Bit AES CCMP Encryption
Power Consumption	3 Watts
AC to DC Power Supply	Input AC : 100 ~ 240 VAC, 50 ~ 60 Hz 5V to 56VDC / 1A ~ 1.6A (For PoE Function, please use 48V 0.83A Adapter at least.)
Ethernet Interface	- Connector Type : RJ45 - Speed : 10/100/1000 Base T, half/full duplex, auto-negotiation
PoE Standard	IEEE 802.3 af/at PoE+ 40Watts
Extended Port Interface	- Connector Type : RJ45 - Support Cable : 2Wire, Cat 5., Cat 5E., Cat 6., Cat 6E., Cat 7.
IGMP	- Hardware packet inspection for IPv4 IGMP Snooping and IPv6 MLD - 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
Mechanical Dimension	40 x 42 x 86 mm, 1.57 x 1.65 x 3.39 in (H x W x L)
Weight	122 g (0.27 lb.)
Material	Aluminum Extruded
Temperature	- Operating Temperature : 0°C ~ +70°C (+32°F ~ +158°F) - Storage Temperature : -40°C ~ +70°C (-40°F ~ + 158°F)
Humidity	10 ~ 90 % Humidity (non-condensing)
Certifications	CE Class A, FCC