

The 2000Mbps Gigabit Ethernet over Coax Transceiver with PoE

Product Features

- High data rate - Up to 2 Gbps
- Using Legacy & New Coax cables for AV Device, IP Networking, Game Console and IP Surveillance application
- One Master extender can support up to Multiple Slave extender using BNC T Splitter
- Long range Ethernet data extension over Coax Max. 3,280 feet. (1,000 Meter)
- Automatic Quality of Service (QoS) features for seamless network streaming
- IEEE 802.3 af/at Compliant PoE for PoE Powered Device(PD), Wi-Fi AP, IP camera, VoIP
- Easy configuration and No IP address & network setup required
- Limited lifetime warranty – OEM/ODM Reference for MTBF Certification
- LED indicator for installation – Power, Link and Data traffic status
- Compact size extender – fits inside most network enclosures



Product Description

G.Coax™, model C4L2000G-EoC-P is the fastest gigabit IP Ethernet over Coax 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-EoC-P support up to 2 Gbps data transfer performance via Coax cables. So, it could be used for 8K Ultra HD AV streaming service, Game Console, 4K IP Camera surveillance, WiFi 6 (IEEE 802.11ax) Gigabit Wi-Fi backbone network and other Gigabit network infrastructure application.

Long Distance Data Transfer Coverage

C4L2000G-EoC-P support up to 1,000 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.

1 Master to Multi Slave network topology

C4L2000G Series product support the 1 Master to multi Slaves 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

C4L2000G-EoC-P 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.

Fastest Gigabit Speed Coax extender

C4L2000G Series product could support the 2 Gbps (PHY rate) and 957Mbps (UDP Data Throughput) performance. It is the fastest coax extender in the world. And it is ready for the next generation network installation fields.

IEEE 802.3 af/at 40W PoE+

C4L2000G-EoC-P support the IEEE 802.3 af/at 40Watt PoE+ feature for PoE Powered device(PD), Wi-Fi AP, IP Camera, VoIP and etc. It reduce the wiring cost for power supply at the remote installation sites.

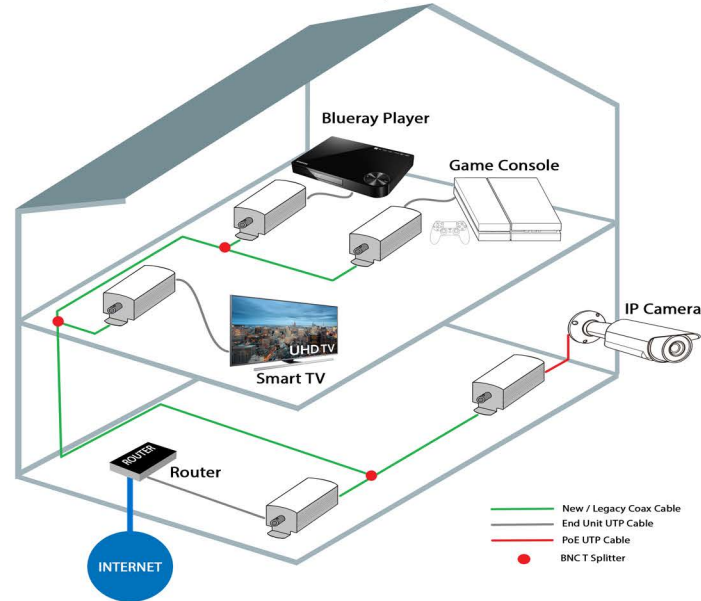
Small footprint for installation

C4L2000G-EoC-P have a small footprint (40 x 42 x 86 mm, H x W x L) for device installation. It match with most of enclosures well. Also, It could be installed at narrow installation spaces.



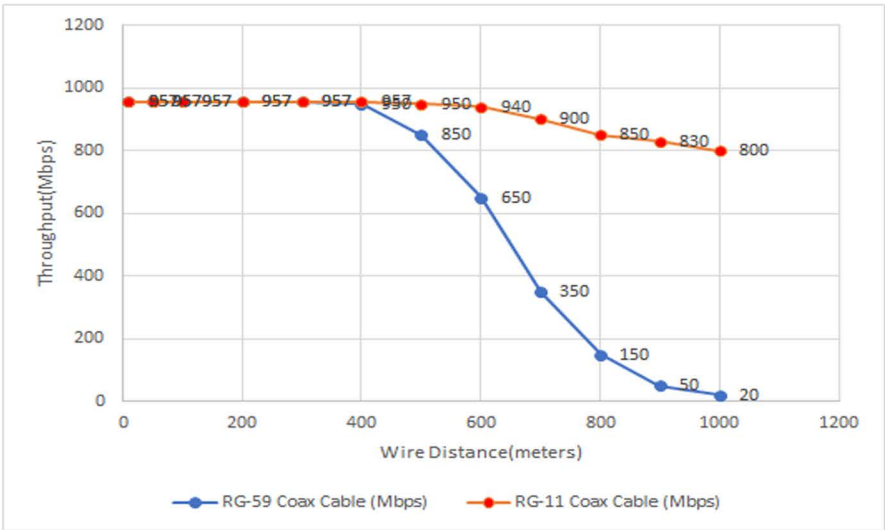
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3az, IEEE 802.3p, Auto MDI/X ITU-T G.hn Standard (Recommendations G.9960, G.9961, G.9962, G.9963 and G.9964)
Protocols	TDMA, CSMA
Transmission Speeds	Ethernet : 10 / 100 / 1000 Mbps Extended 2Wire : 2000 Mbps
Modulation	Modulation : 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 : BNC, RG-59/U or Similar - Support Cable : CATV 22or20AWG, RG59/U 22or20AWG, RG6 18AWG, RG11 14AWG, etc.
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 - BNC : 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

C4L2000G-EoC-P Typical Application



C4L2000G-EoC-P Wire Distance & Data Throughput Chart

Wire Distance(meters)	RG-59 Coax Cable (Mbps)	RG-11 Coax Cable (Mbps)
10	957	957
50	957	957
100	957	957
200	957	957
300	957	957
400	950	957
500	850	950
600	650	940
700	350	900
800	150	850
900	50	830
1000	20	800



C4L2000G-EoC-P Power Distance Chart

Remote PD Power (Watts)	RG-59 Coax Cable (meters)	RG-11 Coax Cable (meters)
5	681	2384
10	408	1428
15	291	1018
20	226	790
25	184	645
30	156	545
35	135	471
40	119	415

