








Up to 2Gbps PHY Rate and 1.7Gbps Network Throughput

Overview

First Mile ethernet over phoneline / coaxial adapter series leverage the existing phoneline or coax cabling in the home to deliver near-gigabit connectivity. They deliver wired connectivity more conveniently than installing Ethernet cabling and more securely and reliably than wireless. Powerful G.hn wave2 technology combined with the existing cable offer a simplified setup with superior performance.

There are three series to choose from:

- 1 GE Port Adapter
- 2 GE Ports Adapter built-in splitter
- 2 GE Ports Adapter with PoE+

Part Number	Configuration	
CP-4201T	1 GE Port Twisted Pair Adapter: <ul style="list-style-type: none"> ➤ 1 * G.hn port (RJ11 connector), MIMO and SISO options ➤ 1 * 10/100/1000BaseT RJ45 ports 	
CP-4202T-S	2 GE Ports Twisted Pair Adapter Built-in Splitter: <ul style="list-style-type: none"> ➤ 1 * G.hn port (RJ45 connector) , MIMO and SISO options ➤ 1 * POTS port (RJ45 connector) ➤ 2 * 10/100/1000BaseT RJ45 ports 	
CP-4202TX-P	2 GE Ports Twisted Pair Adapter with PoE+: <ul style="list-style-type: none"> ➤ 1 * G.hn port (RJ11 connector) , MIMO and SISO options ➤ 2 * 10/100/1000BaseT RJ45 Ports with IEEE802.3at (30W) output 	
CP-4201C	1 GE Port Coax Adapter: <ul style="list-style-type: none"> ➤ 1 * G.hn EoC port (F-type connector) ➤ 1 * 10/100/1000BaseT RJ45 Port 	
CP-4204C	4 GE Ports Coax Adapter: <ul style="list-style-type: none"> ➤ 1 * G.hn EoC port (F-type connector) ➤ 4 * 10/100/1000BaseT RJ45 Ports 	
CP-4202C-S	2 GE ports Coax Adapter Built-in Splitter: <ul style="list-style-type: none"> ➤ 1 * G.hn EoC port (F-type connector) ➤ 1 * CATV port (F-type connector) ➤ 2 * 10/100/1000BaseT RJ45 Ports 	
CP-4202CX-P	2 GE Ports Coax Adapter with PoE+: <ul style="list-style-type: none"> ➤ 1 * G.hn EoC port (F-type connector) ➤ 2 * 10/100/1000BaseT RJ45 Ports with IEEE802.3at (30W) output 	

Specification

Products		1/4 GE Port Adapter	2 GE Ports Adapter built-in splitter	2 GE Ports Adapter with PoE+
		CP-4201T CP-4201C CP-4204C	CP-4202T-S CP-4202C-S	CP-4202TX-P CP-4202CX-P
Port	10/100/1000 Mbps BaseT	1 or 4	2	2
	G.hn Ports	1	1	1
	TV or xDSL Splitter	×	√	×
PoE+		×	×	1*30W + 1*15W
LED		Power, RJ45 ports link/active, G.hn Link	Power, RJ45 ports link/active, G.hn Link	Power, RJ45 ports link/active, G.hn Link, PoE status
Power Supply	Input power & frequency	DC12V/1A power adaptor	DC12V/1A power adaptor	USB Type-C PD3.0
	Maximum Power Rating	<3W (1GE version) <4W (4GE version)	<3W	<60W
Physical	Dimensions (WxDxH)	112mm*83mm*25mm (1GE version) 155mm*120mm*26mm (4GE version)	103.4mm*60mm*27mm	103mm *78mm *32mm
	Unit Weight	190g (1GE version) 350g (4GE version)	170g	360g
	Mounting	desktop or wall mount	desktop or wall mount	desktop or wall mount
Enclosure		IP30 type metal case		
Environment Conditions	Operating temperature	0°C~ 40°C		
	Storage temperature	-25°C~ 80°C		
	Operating humidity	5% ~ 95% non-condensing		
Wiring		Ethernet (CAT) Twisted-Pair Coax		
Switching capabilities		IGMP Snooping Quality of Service (QoS)		
Management		HTTP web-based; Firmware upgrade via TFTP Reset button for factory reset		
G.hn		➤ 2~200 MHz for Baseband (2~200MHz SISO, 2~100MHz MIMO)		

		<ul style="list-style-type: none"> ➤ Support 2wire SISO and 4wire MIMO ➤ Up to 1.7Gbps ➤ Power Mask Notching for coexistence with legacy xDSL or TV or Radio ➤ NDIM (Neighbor Domain Interface Mitigation) Radio Band Notching function ➤ Max up to 16 adapters to make a network ➤ State-of-the-art LDPC FEC error-free technology improves video quality and minimizes video lag ➤ Plug and play user experience (no need to configure master, auto-reconfiguration in case of master loss) ➤ AES 128 bits encryption ensures total data security
Standards Conformance	ITU-T Standards	G.9960 Amendment 2 – System Architecture and PHY Layer G.9961 Data Link Layer G.9962 Management G.9964 PSD
	Certification	FCC, CE

When use G.hn adapters?

➤ **When Wireless Isn't Good Enough**

G.hn Ethernet adapter is both more reliable and secure than Wireless. Existing cables provide a perfect physical medium to create a high performing Internet connection.

➤ **When Running Ethernet Cable is Not an Option**

Take advantage of the low-cost, high-performance existing cables in the home to deliver an affordable extended network connection.

➤ **When There is a Outlet Near the Internet Device**

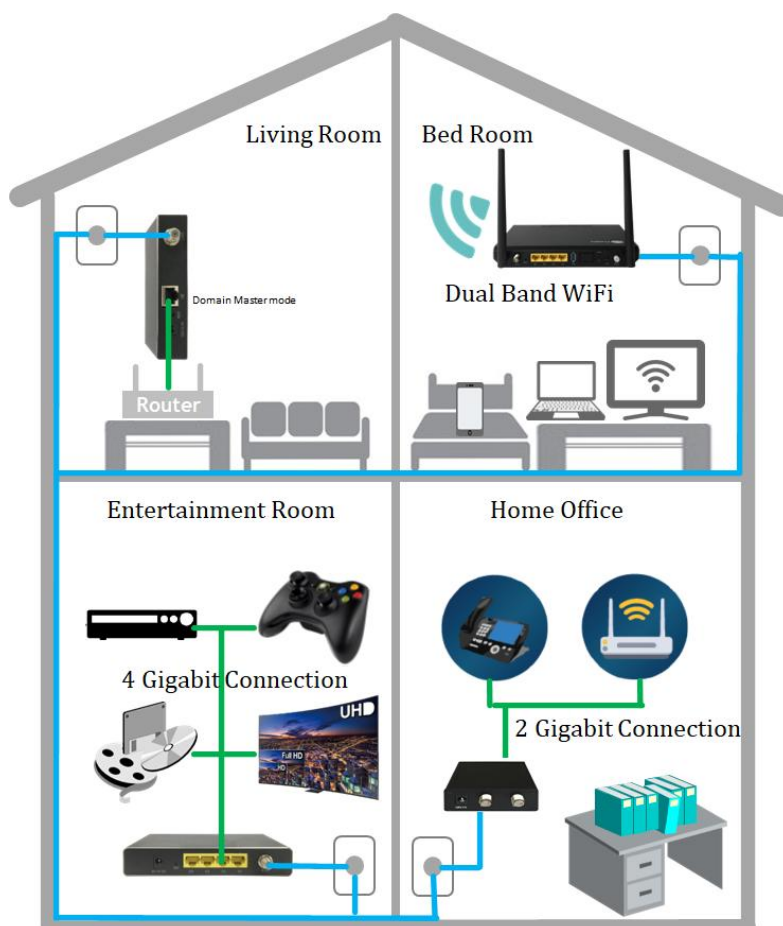
Many homes have Outlets already installed and available. With the G.hn Ethernet Adapter, an Ethernet connection is as close as the nearest Outlet.



Application

An easy way to leverage existing cable to deliver gigabit connection in the home, a minimum of 2 adapters are required to make a connection.

Adapters of different models can be mixed for networking.



Order Information

Part Number	Description	Mode
CP-4201T	1 GE Port Twisted Pair Adapter	Three modes are available: Domain Master, End Point, Auto Default Auto, unless specified
CP-4202T-S	2 GE Ports Twisted Pair Adapter Built-in Splitter	
CP-4202TX-P	2 GE Ports Twisted Pair Adapter with PoE+	
CP-4201C	1 GE Port Coax Adapter	
CP-4204C	4 GE Ports Coax Adapter	
CP-4202C-S	2 GE ports Coax Adapter Built-in Splitter	
CP-4202CX-P	2 GE Ports Coax Adapter with PoE+	