

Overview

First Mile's G.hn Based High-end HGW series products supply home networking solution that enables a completely self-install home entertainment network for distribution of Triple Play and IPTV over all existing wires in the home: coax, phonenumber, CAT3 UTP, CAT5(e) UTP. It is ideal for SOHO, small office, and residential users to extend the network range. Installation at home (or in a small office) is quick and easy.

Its Multiple Input, Multiple Output (MIMO) techniques enable the data transmission system to deliver up to 2Gbps PHY rate and better coverage for in-house streaming multimedia applications and services, and create a comprehensive smart home environment.

- ✓ Deliver fiber-like speeds over the last mile of existing copper/coax infrastructure.
- ✓ Reduce CAPEX by deferring the cost of extending fiber to every building and home.
- ✓ Extend high speed broadband to locations where fiber deployment is difficult.



Main Features

- Compliant with ITU-T G.hn Recommendation (ITU-T G.9960) over all existing wires: coax and phonenumber
- Enable data rates up to 1Gbit/s over existing infrastructure
- Support both G.hn master and G.hn endpoint applications Baseband – Operating frequency 0-200MHz for 1-pair twisted-pair or coax, 0-100MHz for 2-pair twisted-pair
- Carrier-grade reliability in home networking
- Self-installation by consumers for low cost deployments
- Support TR069 protocol
- Support TR098 data model
- IP address assignment: PPPoE / DHCP Client and static IP
- Support IPv6/IPv4

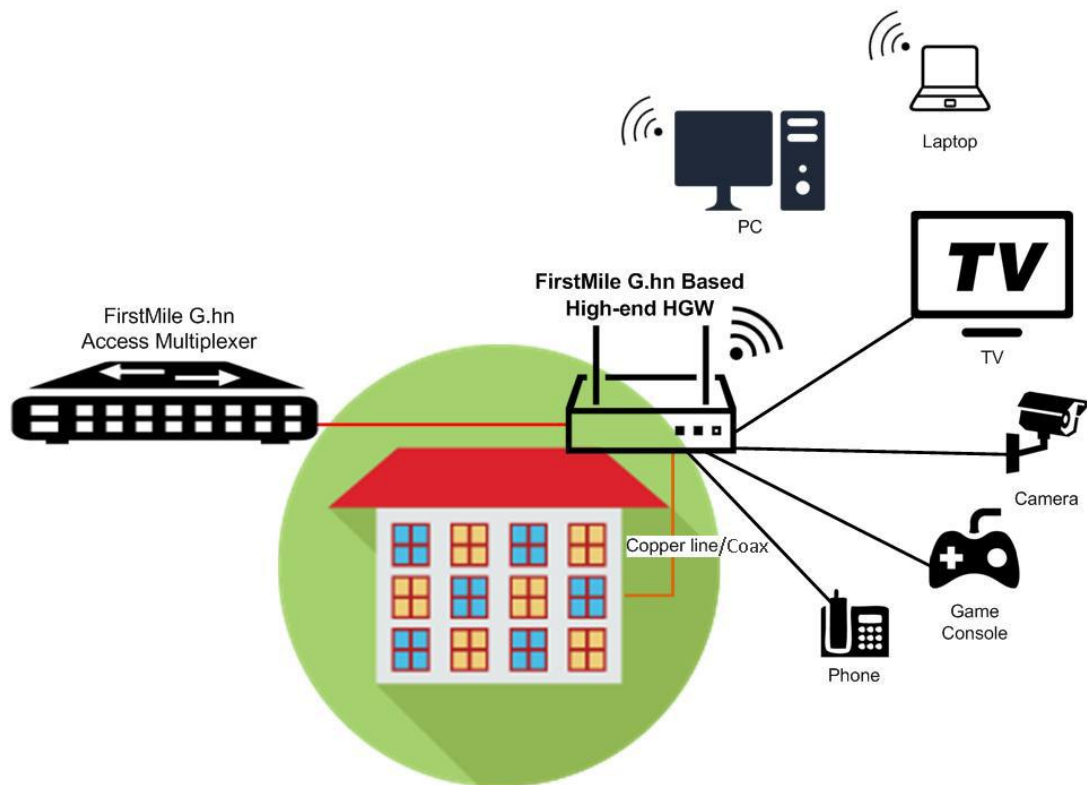
Specifications

WAN	Connection Type	8 connections, PPPoE, PPPoE Passthrough, DHCP Client, Static IP, IPoE, Bridge
	VLAN	
	Service Type	Internet, TR-069, Other
	Group Binding	Bind LAN port with WAN connection
	IGMP Multicast	
	IP Unnumber	
	Public Multicast VLAN	
Routing	NAPT/Static Routing/RIP v1/v2/v1-c/Virtual Server/ALG/Port Triggering/Multi-NAT/IGMP Proxy/IGMP Snooping	
QoS	Queue Schedule	WRR/SP
	Classification	IP Version, LAN Port, WAN Interface, MAC, VLAN, 802.1P, IP Address, DSCP, Protocol type
	Mark & Remark	DSCP/802.1P
	Bandwidth Control	
	TCP connection number limit	
	Force Bandwidth	
LAN	DHCP Server	Enable/Disable
	DHCP Relay	
	Reserved IP Address	
	Lease time setting	
	DHCP Address Pool	
	Ethernet Mode Configuration	10Mb half/full, 100Mb half/full, 1000Mb full, Auto
	DNS Proxy	
	Dynamic VLAN	
	UPnP IGD	
	DHCP Port mapping(IPv4)	For enable/disable each LAN Port DHCP server
	LAN Port	4GE
WLAN	4 SSID	
	SSID Broadcast	Enable/Disable
	Isolation	Enable/Disable
	Hide	Enable/Disable
	802.11b/g/n	
	802.11ac	
	Bandwidth	2.4G: 20MHz, 40 MHz, 20/40 MHz, 5G: 20 MHz, 40 MHz, 20/40/80 MHz,
	Auto channel selection	
	Short GI	
	WMM	

	Security	64/128 Bit WEP, WPA/WPA2/Mixed
	Channel Scan	2.4G and 5G
	32 Clients	
	Radius server	
	WDS	Lazy Mode, Repeater Mode, Bridge Mode
Management	Web-based Configuration GUI	
	Remote Management, Support TR069 and TR098	
	Account Management	
	Time Settings	
	DDNS	Oray.com, DynDNS.org, TZO, NO-IP.com
	Reboot	
	Factory Restore	
	Firmware Upgrade	HTTP, Multicast, TFTP
	Configuration Download/Restore	
	System Logging	Syslog server, TFTP upload
	Access Control List	
	SNMP	SNMP V1/V2C
Security	ACL/MAC Filter/Port Filter/SSH Service/Diagnostic/IPSec VPN	
IP Tunnel	IPv4 in IPv6	
	IPv6 in IPv4	
	GRE Tunnel	
USB 2.0/3.0	FTP Client	
	Storage User Accounts	
	FTP Server	
	Samba Server	
	TFTP Server	
Power Requirement	DC 12V/1A, maximum power consumption 8W	
Dimensions	235*143*32mm	
Weight	405g	
Temperature	Work temperature: 0°C~40°C	
EMI	FCC Part 15 Subpart B Class A, EN 55022 Class A	

Applications

- Video and audio streaming in Media Gateway applications
- IP cameras



Ordering Information

Available Models	G.hn Port	Gigabit LAN Port	USB 3.0	802.11b/g/n + 802.11ac
CP-4204C-W	Coax RF	4	1	Y
CP-4204T-W	1 or 2 pair Twisted Pair, RJ11	4	1	Y