

GCA2002 G.hn Coax to Ethernet extender

Plug-in format

FEATURES

- Deliver gigabit broadband data services around the home over coax cable to Ethernet connected devices
- Second Generation G.hn Wave 2 chipset with 2Gbps PHY over the coax connection delivers the full 1Gbps through the Ethernet port
- Up to 16 connections
- Lower latency than a typical wireless connection, ideal for gaming
- Remote monitoring and management via TR-069
- Available with USA Electrical plugs (other countries could be supported subject to further development)
- HomeGrid™ Forum Certified



PRODUCT OVERVIEW

The GCA2002 Extender uses existing coax cables to securely deliver gigabit data around the home, or small business, using the G.hn Wave 2 standard as specified by the HomeGrid™ Forum. These G.hn bridges connect to a single Coax Cable outlet in the home and has a Gigabit Ethernet port to connect a PC, game console or other Ethernet connected device. Up to 16 devices may be connected as a single home network.

The extender plugs directly into the mains power supply; there is no external power supply to manage.

Each G.hn Bridge includes a TR-069 client for link metric monitoring as well as diagnostics and configuration by a remote Access Control Server.

SPECIFICATIONS

Power Supply

Internal 3A

G.hn Coax

G.hn	ITU-T G.hn 200 MHz plan (1.954Mhz to 186Mhz)
G.hn Max Throughput	2 Gbps (941Mbps considering Ethernet limitation)
Encryption	AES 128-bit
Modulation	OFDM, FEC
Max G.hn Nodes	16
Network Awareness	250 domains

Certifications

FCC	Part 15B and 15C
UL/C-UL	UL60950/cUL /CSA
ICES-003	2/1/2004
RSS-210, RSS-GEN Issue 2	6/1/2007
FCC Part 15 Classes B, C, and E	RoHS / WEEE
Industry Canada ICES-003	

HomeGrid G.hn PLC

Accessories

Cat5e Ethernet cable
Quick Start Guide

SPECIFICATIONS

Physical

Enclosure	White
Unit Size	4.33" x 2.36" x 1.38" 110mm X 60mm X 35mm (excluding electrical prongs)
1 RJ-45 Ethernet port 1 Coax connector	GigE, LAN F-Type Metal
LEDs	Front Panel / top to bottom: Power & Software Status, G.hn activity & Status, Ethernet activity & status, Security status
Operating Temperature	32 °F to 104 °F (0°C to 40°C)
Operating Relative Humidity	5-90% (non-condensing)
Storage Temperature	-4 °F to 158°F (-20 °C to 70°C)
Unit Weight	5.2 oz (147.4g)
Local Area Network (LAN)	One 10/100/1000 Base-T Ethernet RJ-45, autosensing, auto-mdix
Input Voltage	100VAC ~ 240VAC 50Hz/60Hz

Interfaces

User Buttons	Pairing button on front for G.hn Reset on bottom for factory default
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User Management

URL based GUI

CUSTOMER CARE

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656