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
- 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

### Interfaces
- User Buttons: Pairing button on front for G.hn, Reset on bottom for factory default
- User Management: URL based GUI

### Local Area Network (LAN)
- One 10/100/1000 Base-T Ethernet RJ-45, autosensing, auto-mdix

### Storage Temperature
- –4 °F to 158°F (~–20 °C to 70°C)

### Input Voltage
- 100VAC ~ 240VAC 50Hz/60Hz

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