



COAX GIGABIT LAN EXTENDER

THE G.HN COAX ETHERNET BRIDGE, V102GC, ENABLE YOU TO SET UP YOUR PRIVATE NETWORK AT HOME WITH YOUR EXISTING COAXIAL CABLE.

NO ADDITIONAL NETWORK WIRING IS NECESSARY. YOU MAY JUST FIND A COAX CONNECTOR IN THE WALL, PUT THE COAXIAL PLUG INTO THE CONNECTOR, AND YOU CAN THEN BE READY TO ACCESS THE BROADBAND INTERNET.

VIA THE RJ-45 ETHERNET PORTS, YOU CAN CONNECT V102GC ETHERNET-INTERFACE DEVICES SUCH AS STB, CAMERA SERVER, AND SWITCH/HUB. THE RELIABLE HIGH-SPEED WILL BRING YOU TO ENJOY THE VIDEO-ON-DEMAND (VOD) OR TRIPLE PLAY SERVICES.

WITH V102GC, SOHO CAN EVEN QUICKLY EXTEND OR FLEXIBLY CHANGE THE EXISTING LAN ENVIRONMENT. NO RE-WIRING MORE AND NO MORE TROUBLE.



Features

YODA COMMUNICATIONS, INC. WWW.YODA.COM.TW



- G.hn Coax Port as Home Network Backbone by Using Existing Coaxial Cable
- G.hn PHY Rate up to 1.8Gbps
- Two 10/100/1000Mbps Gigabit Ethernet Ports
- Energy Efficiency (Green) Ethernet Support
- Attenuation Range up to 80dB
- Signal Status Indication
- Filter Built-in to Eliminate Noise from TV Signal

Specifications

➤ Network Standards

- ITU G.9960 G.hn over Coaxial Cable Baseband
- IEEE 802.3u 100M Fast Ethernet
- IEEE802.3ab 1000M Gigabit Ethernet
- IEEE 802.3az Energy Efficiency Ethernet

➤ Connectors

- Ethernet : Two RJ-45 Connectors
- G.hn: Two F-Type Female Coax Connectors, One for G.hn, the Other for TV

➤ G.hn Interface

- Spectrum and Transmission Power :
V102GC 4.5 +/- 1 dBm @ 6 - 200MHz
- PHY Rate: 1.8Gbps
- Attenuation Range : 80dB Max
- AES 128 Encryption
- G.hn Parameterized QoS

➤ Gigabit Ethernet Interface

- 10/100/1000Mbps Auto Negotiation
- MDI/MDI-X Auto Crossover



➤ **Indicators**

- “Power” LED
- G.hn “Link/Activity” / Quality LED
- Ethernet “Link/Activity” LED x 2

➤ **EMI/EMC and Safety**

- Comply with FCC Part 15 and VCCI
- Comply with CE

➤ **Environmental Conditions**

- Operating Temperature : 0°C ~ 50°C (32°F ~ 120°F)
- Storage Temperature : -10°C ~ 65°C (14°F ~ 149°F)
- Operating Humidity : 10% ~ 95%, Non-condensing

➤ **Power Requirement**

- External Power Supply : 12 VDC
- Power Consumption : 4 Watts

➤ **Physical Dimension**

- 132mm (W) x 90mm (D) x 28mm (H)

➤ **Unit Weight**

- 335g

Ordering Information

| Model | Specification |
|------------|--|
| V102GC | Coax Gigabit LAN Extender, 6~96MHz (Standard) |
| V102GC-76 | Coax Gigabit LAN Extender, 6~76MHz, Co-exist with CATV |
| V102GC-48 | Coax Gigabit LAN Extender, 6~48MHz, Co-exist with CATV |
| V102GC-MDU | Coax Gigabit LAN Extender, MDU Master GbE Bridge |