

G.hn Wave2 over Coax Adapter

G.hn 2Gbps | 200MHz | Built-in Diplexer | 1x GE LAN

GCA-6010



GCA-6010 is designed as CPE (Customer Premises Equipment) for Ethernet-over-coax network home networking, as well as for MDU application over a shared coaxial network. GCA-6010 fully complies with ITU-T G.hn standards for a coaxial interface and supports a 200MHz operating band and built-in diplexer for coexistence with CATV/UHF/VHF services.

The device includes two coaxial interfaces; one for connecting to the backbone coax network and one for a TV set.


KEY FEATURES

- **Exceptional Performance:** Supports ITU-T G.hn baseband standards with 200MHz for coax, and up to a 2Gbps PHY rate.
- **Ultra High-Speed Data Transmission:** Delivers up to 1.7 Gbps, significantly enhancing next-generation home entertainment performance.
- **Plug & Play:** Provides quick and easy setup with built-in plug-and-play functionality—no additional configuration required. Simply connect Ethernet cables to routers and devices for instant pairing.
- **Security:** Advanced data encryption ensures secure and reliable coaxial networking.
- **Diplexer for Coexistence with TV service:** Provides a cut-off above 250MHz to support existing TV signals, reducing deployment costs.

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SPECIFICATIONS

Interfaces	<ul style="list-style-type: none">1x Gigabit Ethernet LANLED Indicators: G.hn, Security, LAN, PWRButtons: G.hn pairing, Reset2x F-type connector
G.hn (Coax)	<ul style="list-style-type: none">ITU-T G.9960 & G.9961 compliantG.hn 200MHzLink rate up to 2Gbps,Data throughput up to 1.7Gbps
Management	<ul style="list-style-type: none">HTTP Web-basedTR-069 over IPv4/v6 dual stack
Network Protocols	<ul style="list-style-type: none">802.1D Ethernet Bridge802.1Q VLANQuality of Service (QoS)IGMP(IPv4) Snooping & MLD(IPv6) Snooping
Diplexer for existing TV service	Frequency: 250MHz to 1.2 GHz
External Power Adapter	Input: AC100-240V, Output: DC12V /1A 
Dimensions	133mm (D) x 70mm (W) x 38mm (H)
Certifications	CE, FCC, UL, ITU-T G.hn Standard

ENVIRONMENT

Operating Temperature	0 ~ 40 degrees Celsius
Relative Humidity	8 ~ 95% (non-condensing)



WARNING

Disconnect the power line from the device before servicing
For indoor use only
Do NOT open the casing
Do NOT use near water
Keep away from the fire
For use in ventilated environment / space

CE Standards:

EN 55032 / EN 55035
EN 62368-1 (Include ErP)

FCC / IC Standards:

FCC Part15B / ICES-003
UL 62368-1 / cUL62368-1

COMTREND



Taiwan:
3F-1, No.10, Lane 609, Chongxin Road, Section 5,
Sanchong Dist, New Taipei City 241405, Taiwan
Tel: +886-2-29998261

USA & Canada:
530 Technology Dr. Suite 100, Irvine,
CA 92618, USA
Tel: +1-949-753-9640

Spain:
C/ Proci3n, 7 portal 2, 1º C - Edif. Am3rica II
28023 Madrid, Spain
Tel: 34-917990403

Czech Republic:
TOKOVO Jankovcov3 1518/2, 170 00, Prague 7,
Czech Republic
Tel: +420-266-782040

India:
446 Sector 8, IMT Manesar, Gurugram,
Haryana 122051, India
E-mail: India.admin@comtrend.com

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.

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