

G.hn over Coax Head End 1 port

G.hn Coax MDU

G.hn wave2 over coaxial | SFP GPON/GE Uplink | GE LAN

MDU-4640



The **Comtrend MDU-4640** is a revolutionary G.hn wave2 over coaxial cable Head End with a flexible SFP/1GBase-T Ethernet uplink hybrid approach providing the broadband service under the current coaxial cable network to the cable TV subscriber.

Combining the coaxial cable and broadband technologies, the MDU-4640 includes an SFP cage for versatile uplink interfaces (such as for 1G AE/ 2.5G AE/ GPON ONU MAC/ 1000Base-T SFP module), or with the built-in Gigabit Ethernet Port (RJ-45) to the GPON ONU. The point-to-multipoint network allows one MDU-4640 connect to 16 G.hn over coaxial wave2 CPEs and provides up to 1.7Gbps bandwidth. In addition, the Cable TV service will still work well (co-existing with the G.hn broadband data network).

KEY FEATURES

- **G.hn wave2 over coaxial** cable technology
- One MDU-4640 connects to **16 units** G.hn over coaxial wave2 CPEs thru a single coaxial cable
- **Auto** configuration
- Max. **1.7Gbps** Aggregated Broadband service
- **Web GUI** for friendly and easy operation network management
- Supports **TR-069** for remote network management
- Value added Broadband service over current **CATV** network
- Uplink interface complies with **GPON/ 1G AE/ 1GBase-T**

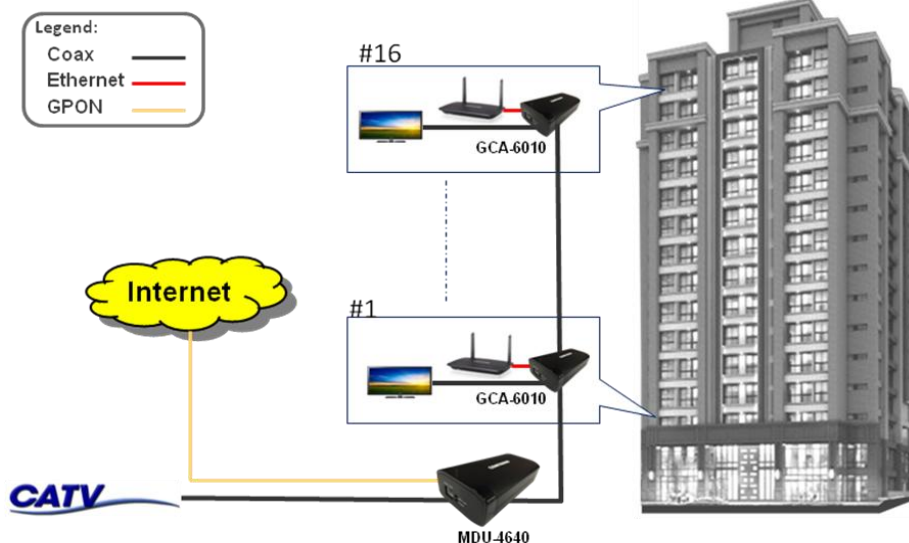
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SPECIFICATIONS

HARDWARE	
Ports	1x Port F-connector (G.hn + CATV Output/Input) 1x Port F-Connector (CATV Input/Output) 1x Gigabit Ethernet LAN 1x SFP
LED Indicators	Power, LAN, (G.hn) Link, SFP
Power Input	DC 12V/1A
Dimensions	133mm (D) x 70mm (W) x 38mm (H)
UPLINK (MDU-4640)	
SFP module (Optional)	GPON ONU MAC, 1G AE, 1GBase-T (RJ-45)
Gigabit Ethernet (RJ-45)	Built-in
G.HN WAVE2 MASTER	
Standards	Supports ITU-T G.9960/9961/9962/9963/9964 Unified high-speed wireline-based home networking transceivers
CABLE TV	
Spectrum	250MHz to 1200MHz
ENVIRONMENT	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	10% ~ 90% non-condensing
SOFTWARE	
Features	<ul style="list-style-type: none">· Supports Up Stream/Down Stream bandwidth configuration· Supports DHCP client, Fixed IP setting, Ipv6 passthrough, C-TAG VLAN, Management VLAN, Syslog, SNTP client, Multicasting· Supports Web GUI as friendly management Interface· TR-069 for remote management
Certifications	CE, FCC, UL / cUL, ITU-T G.hn Standard

APPLICATION DIAGRAM



FC IC CE



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 (Includes ErP)

FCC / IC Standards:
FCC Part15B / ICES-003
UL 62368-1 / cUL62368-1

COMTREND

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