G.hn over Coax Head End 1 port

G.hn wave2 over coaxial **|** SFP/1GBase-T Eth. Uplink

MDU-4640

The **Comtrend MDU-4640** is a revolutionary G.hn wave2 over coaxial cable Head End with 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
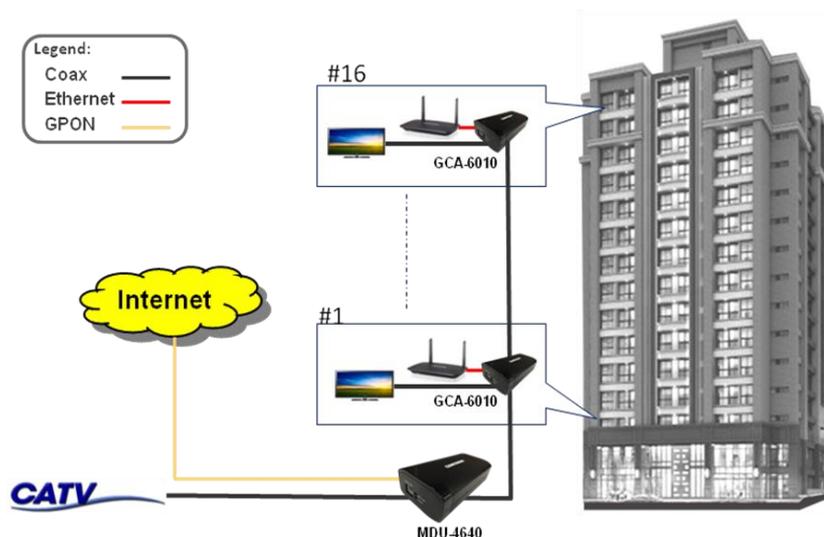- Uplink interface complies with **GPON/ 1G AE/ 1GBase-T**

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SPECIFICATIONS

HARDWARE		
Ports	1 Port F-connector (G.hn + CATV Output/Input)	1 Port F-Connector (CATV Input/Output)
	1 Gigabit Ethernet port (RJ-45)	1SFP
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	· 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	FCC, CE Class B	

APPLICATION DIAGRAM

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.