Service Providers MDU Application

DPU-7000

G.hn Over Coax Distribution Point Unit (DPU)

Coaxial DPU (Head-End)

G.hn Wave 2 over Coaxial | Gigabit Ethernet WAN

Comtrend's G.hn Coax DPU is a purpose-built solution designed to unlock gigabit broadband for Multi-Dwelling Units (MDUs).

- **Cost-Effective Fiber Alternative** – Delivers near-symmetrical Gigabit services without the high costs and complexity of fiber retrofits.

- **Leverages Existing Coax Infrastructure** – Avoids disruptive construction while maximizing deployment efficiency.

- **Designed for MDUs** – Ideal for brownfield Multi-Dwelling Units (MDUs), providing a scalable broadband solution.

The DPU-7000 creates a coax-based distribution network, providing a cost-effective fiber alternative. It supports G.hn end point devices like the Comtrend CPE-7000 and residential gateways with G.hn or SFP ports for flexible deployment. As part of a G.hn over coax ecosystem, its head-end supports up to 15 devices, enabling efficient MDU upgrades without costly fiber retrofits.

KEY BENEFITS

Access Locked Markets: Tap into previously inaccessible MDU markets with a cost-effective solution.

Cost Efficiency: Avoid high costs associated with fiber rewiring by utilizing existing coaxial cabling.

Seamless Deployment: Purpose-built for fast installation with minimal disruption.

Scalable Network Evolution: Complement DPU deployments with OpenPON and cost-effective fiber solutions for future growth.

DPU–7000

Key Features

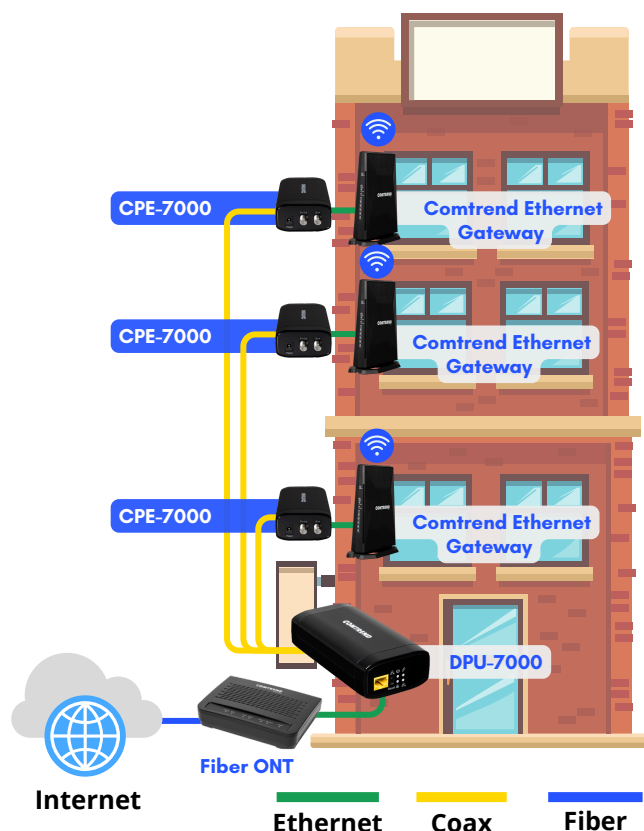|		
G.hn Wave 2 Technology	Supports up to 15 Devices	Delivers up to 1.7Gbps
Intuitive Web GUI	TR-069 Remote Management	Gigabit Ethernet WAN

Specifications

Hardware	
Ports	1x Port F-connector (G.hn) 1x Port F-Connector (TV Out) 1x Gigabit Ethernet WAN
LED Indicators	Power, LAN, (G.hn) Link
Power Input	DC 12V/1A
Dimensions	133mm (D) x 70mm (W) x 38mm (H)

Uplink	
Gigabit Ethernet (RJ-45)	Built in

G.hn Wave 2 Master	
Standards	Supports ITU-T G.9960/9961/9962/9963/9964 Unified high-speed wireline-based home networking transceivers

Environment	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	10% ~ 90% non-condensing

Software	
Features	• Supports Upstream/Downstream 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: Ideal for Small MDUs

CPE-7000
Comtrend Ethernet Gateway
DPU–7000
Fiber ONT
Internet
Ethernet   Coax   Fiber

CE Standards:
EN 55032 / EN 55035 EN 62368-1 (Includes ErP)

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