

ZyXEL



- Plug-and-play bridge adapter converts Ethernet to/from coaxial wirings
- HPNA 3.1 (ITU G.9954) compliant with data transfer rates of up to 320 Mbps*
- Two F-type coaxial connectors with Internal filters to provide a cost-saving solution for reducing signal interference to the legacy TV
- One fast Ethernet port for FTTx, DSL modem and Ethernet terminals as Set-Top Box

Hassel-free IPTV Streaming over Coaxial Networks

Benefits

Turn coaxial outlets into a IPTV network

With a plug-and-play design, the HLA3105 HomePNA 3.1 Coax Ethernet Bridge provides an easy way for telcos to deliver IPTV services through the existing coaxial wiring. Just plug a pair of HLA3105 into the coaxial outlets in two rooms; one connects the HLA3105 to your DSL modem through a Ethernet cable, and the other to an Ethernet-equipped device as a set-top box; thus the IPTV services can be delivered to every room at home without laying new wires.

HPNA 3.1 compliant for quality HD media streaming

Complying with the HPNA 3.1 (ITU G.9954) standard, the HLA3105 is capable of delivering IPTV services over the existing coaxial cables at effective throughputs of up to 200 Mbps* with QoS and Dynamic Bandwidth Allocation (DBA™).

Embedded filter reduces installation cost and signal interference to the legacy TV

Equipped with internal filters, the HLA3105 saves installation cost of external filters since it delivers CATV signals to the TV and converts remote HomePNA signals to the Ethernet-equipped devices such as set-top boxes at the same time.

*The actual data rate may vary depending on the coaxial wire noise level and quality of coaxial installation.

HLA3105
HomePNA 3.1 Coax
Ethernet Bridge





HLA3105

HomePNA 3.1 Coax Ethernet Bridge

Specifications

System Specifications

- Network standard:
 - HomePNA 3.1
 - ITU-T G.9954
 - IEEE 802.3 Ethernet
 - IEEE 802.3u Fast Ethernet
 - IEEE 802.3x Flow Control
- Range: up to 1,000 meters (3,280 feet) over coaxial cable
- Nodes: allow up to 60 HomePNA adaptors to connect to the coaxial home network
- QoS: support the guaranteed (parameterized) and prioritized QoS
- Security: AES 128-bit based encryption
- ToS, VLAN Tag pass through
- Frequency band: 12 ~ 44 MHz

Hardware Specifications

- One auto-MDIX 10/100M RJ-45 Ethernet port
- Two F-Type coaxial connectors
- LED indicators: 4 LEDs
 - Power
 - Signal quality
 - Coaxial link/activity
 - Ethernet link
- Power: DC 5V, 1A
- Power consumption: 3 Watts

Physical Specifications

- Item dimensions (W x D x H): 112 x 106 x 28.5 mm (4.41" x 4.17" x 1.1")
- Item weight: 167 g (0.37 lb)
- Packing dimensions (W x D x H): 273 x 230 x 68 mm (10.75" x 9.05" x 2.68")
- Packing weight: 420 g (0.93 lb)

Environmental Specifications

- Operating environment:
 - Temperature: 0°C to 40°C (32°F to 104°F)
 - Humidity: 20% to 85% (non-condensing)
- Storage environment:
 - Temperature: -30°C to 60°C (-22°F to 140°F)
 - Humidity: 20% to 95% (non-condensing)

Certifications

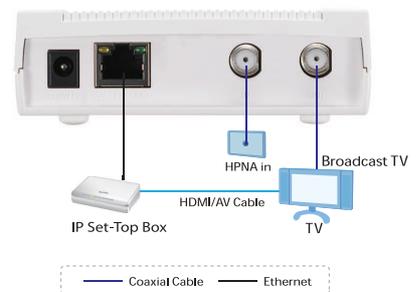
- Safety: CSA
- EMC: CE, FCC
- Others: HomePNA 3.1

Package Contents

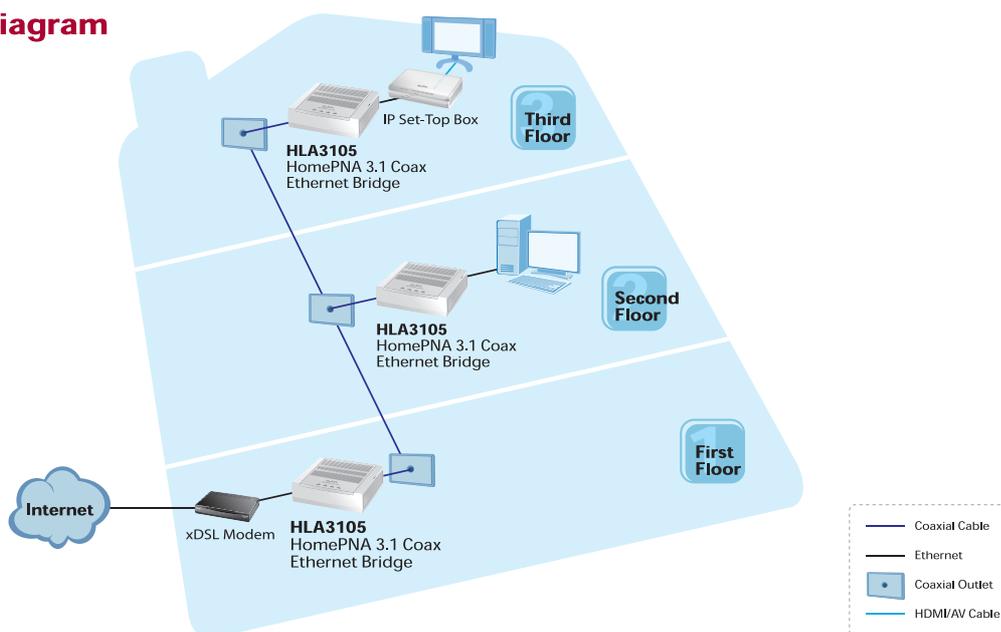
- Coax Ethernet Bridge
- Power adapter
- Ethernet cable
- User guide
- Warranty card

**The theoretical maximum channel data transfer rate is derived from HomePNA 3.1 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, noise on coaxial wires, quality of coaxial installation and other adverse conditions.*

Rear Panel



Application Diagram



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