

HPNA3 Coax Gigabit Ethernet Bridge

January 2010

Carrier IPTV Service HCNA Coax LAN Adapter

With Coaxial Cable

256Mbps Connection and Wire Replacement

Manageable ...

No additional network wiring ...

*The Most Powerful and Cost-Effective HCNA
Solution.*



Model: HP-32GE

FEATURES

- > HCNA Coax Port as Home Network Backbone by Using Existing Coaxial Cable
- > HCNA PHY Rate up to 256Mbps
- > Two 10/100/1000Mbps Gigabit Ethernet Ports
- > Energy Efficiency (Green) Ethernet Support
- > Attenuation Range > 50dB
- > Signal Quality Indication
- > Filter Built-in to Eliminate Noise from TV
- > QoS Priority and Mapping Support
- > TagVLAN Configuration
- > IGMP Snooping Control

INTRODUCTION

THE HPNA3.1 COAX ETHERNET ADAPTER, HP-32GE, ENABLES YOU TO SET UP YOUR PRIVATE NETWORK AT HOME WITH YOUR EXISTING COAXIAL CABLE.

NO ADDITIONAL NETWORK WIRING IS NECESSARY. YOU MAY JUST FIND A COAX CONNECTOR IN THE WALL, PUT THE COAXIAL PLUG INTO THE CONNECTOR, AND YOU CAN THEN BE READY TO ACCESS THE BROADBAND INTERNET.

INTELLIGENCE TO SUPPORT VARIANT SERVICES. CONFIGURATION OF TAGVLAN, QUEUING SCHEME, AND BANDWIDTH CONTROL HELP THE DEPLOYMENT OF SERVICES.

VIA THE RJ-45 ETHERNET PORTS, YOU CAN CONNECT HP-32GE ETHERNET-INTERFACE DEVICES SUCH AS STB, CAMERA SERVER, AND SWITCH/HUB. THE RELIABLE HIGH-SPEED WILL BRING YOU TO ENJOY THE VIDEO-ON-DEMAND (VOD) OR TRIPLE PLAY SERVICES.

WITH HP-32GE, SOHO CAN EVEN QUICKLY EXTEND OR FLEXIBLY CHANGE THE EXISTING LAN ENVIRONMENT. NO RE-WIRING MORE AND NO MORE TROUBLE.

SPECIFICATIONS**> Network Standards**

- HomePNA 3.1 over Coaxial Cable (HCNA)
- IEEE 802.3 10M Ethernet
- IEEE 802.3u 100M Fast Ethernet
- IEEE802.3ab 1000M Gigabit Ethernet
- IEEE 802.3az Energy Efficiency Ethernet

> Connectors

- Ethernet : Two RJ-45 Connectors
- HCNA: Two F-Type Female Coax Connectors, One for HCNA, the Other for TV

> Transmission Power and Spectrum

- -2 ~ +1 dBm
- 12 - 44MHz

> Transmission Range and Distance

- Attenuation Range > 50dB
- Up to 4000 Feet (-176dBm/Hz Noise Floor) on RG59 Wire

> Quality of Service

- Priority Mapping Based on IEEE 802.1p
- Guaranteed QoS based on HomePNA3.1 Parameterized QoS

> Gigabit Ethernet Interface

- 10/100/1000Mbps Auto Negotiation
- MDI/MDI-X Auto Crossover

> Management

- Queuing Scheme Based on 802.1p/TOS
- TagVLAN ID Tag/UnTag or Pass Through
- IGMP Snooping Control (V1 & V2)
- Statistics and Status

> Indicators

- "Power" LED
- HCNA "Link/Activity/Quality" LED
- Ethernet "Link/Activity" LED x 2

> EMI/EMC and Safety

- Comply with FCC Part 15 and VCCI
- Comply with CE

> Environmental Conditions

- Operating Temperature : 0°C ~ 50°C (32°F ~ 120°F)
- Storage Temperature : -10°C ~ 65°C (14°F ~ 149°F)
- Operating Humidity : 10% ~ 95%, Non-condensing

> Power Requirement

- External Power Supply : 5 VDC
- Power Consumption : < 4 Watts

> Physical Dimension

- 130mm (W) x 95mm (D) x 32mm (H)

> Unit Weight

- 160g