

## BiPAC 2080H series



### BiPAC 2080 HC 128Mbps HCNA Coax Ethernet Bridge

The most compact HCNA coaxial cable adapter, Billion's BiPAC 2080HC provides a powerful broadband connection while wire replacement enables you to set up a private network at home with existing coaxial cable to enjoy video content over the Internet.



- 128Mbps HCNA coax port as home network backbone by using existing coaxial cable
- Two 10/100Mbps Fast Ethernet ports for FTTH, ADSL/Cable modem and Ethernet terminals (PC, set top box.)
- Distance up to 4,000 feet on RG59 wires
- Filter built-in to eliminate noise from TV
- QoS priority and mapping support
- Plug-and-play
- Compact size

### BiPAC 2080HP 128Mbps HPNA3.0 Ethernet Bridge

The compact size HomePNA3.0 LAN adapter, Billion's BiPAC 2080HP provides a powerful broadband connection while wire replacement enables you to set up a private network at home over existing phone lines to enjoy video content over the Internet.



- 128Mbps HomePNA port as home network backbone using existing phone line
- Two 10/100Mbps Fast Ethernet ports for FTTH, ADSL/Cable modem and Ethernet terminals (PC, set top box.)
- Distance up to 2,000 feet on HomePNA port
- Filter built-in to eliminate noise from phone set or PSTN line
- QoS priority and mapping support
- Plug-and-play
- Compact size

## Benefits

### 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 broadband Internet.

### No Extra Utility is Necessary

No utility, no settings, just link. Simply plug-and-play.

### High-speed Transfers

Via the RJ-45 Ethernet ports, you can connect the bridge device with Ethernet-interface devices such as set top boxes, camera servers, and switches/hubs. The high speed of 128Mbps will enable you to enjoy Video-On-Demand (VOD) services or the Multimedia-On-Demand (MOD) services

### Easy to Extend Your Network

With BiPAC 2080H series devices, SOHOs can even quickly extend or flexibly change the existing LAN environment. No re-wiring needed and no more trouble.

## Features & Specifications

### BiPAC 2080HC

#### Network Standards

- HomePNA 3.0 over coaxial cable (HCNA)
- IEEE 802.3 10M Ethernet
- IEEE 802.3u 100M fast Ethernet
- IEEE 802.3x flow control

#### Connectors

- Ethernet: two RJ-45 connectors
- HCNA: two F-Type female coax connectors, one for HCNA, and the other one for TV

#### Transmission Power and Spectrum

- 0 +/- 1 dBm
- 4 ~ 21MHz

#### Transmission Speed and Distance

- Up to 128Mbps
- Up to 4000 Feet (-176dBm/Hz Noise Floor)

#### Quality of Service

- Priority mapping based on IEEE 802.1p
- Priority queue based on 802.1p/TOS
- IEEE 802.1Q Tag VLAN pass through
- Guaranteed QoS based on HomePNA3.0 parameterized QoS

#### Fast Ethernet Interface

- 10/100Mbps auto negotiation
- MDI/MDI-X auto crossover

#### DIP Switch

- To select the master of Sync mode operation

#### Indicators

- "Power" LED
- HCNA "Link/Activity" LED
- HCNA "Sync Mode" LED
- Ethernet "Link/Activity" LED x 2

#### EMI/EMC and Safety

- Comply with FCC Part 15
- Comply with CE
- UL/cUL and CSA

#### Environmental Conditions

- Operating temperature:  
0°C ~ 40°C (32°F ~ 104°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: < 5 Watts

#### Physical Dimension

- 114mm (W) x 67mm (D) x 25mm (H)

#### Unit Weight

- 120g

### BiPAC 2080HP

#### Network Standards

- HomePNA 3.0
- ITU-T G.9954
- IEEE 802.3 10M Ethernet
- IEEE 802.3u 100M fast Ethernet
- IEEE 802.3x flow control

#### Connectors

- Ethernet: two RJ-45 ports
- HomePNA: two RJ-11 ports, one for HPNA, and the other one for phone-line bypass

#### Transmission Speed and Distance

- Up to 128Mbps
- Up to 2000 feet maximal

#### Quality of Service

- IEEE 802.1Q Tag VLAN pass through
- Priority mapping based on IEEE 802.1P
- Priority queue based on 802.1p

#### Fast Ethernet Interface

- 10/100Mbps auto negotiation
- MDI/MDI-X auto crossover

#### Indicators

- "Power" LED
- HCNA "Link/Activity" LED
- HCNA "Sync Mode" LED
- Ethernet "Link/Activity" LED x 2

#### EMI/EMC

- Comply with FCC
- Comply with CE
- Comply VCCI

#### PTT Approval and Safety

- Comply with FCC Part 68
- UL/cUL, CSA and EN60950

#### Environmental Conditions

- Operating temperature:  
0°C ~ 40°C (32°F ~ 104°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: < 5 Watts

#### Physical Dimension

- 114mm (W) x 67mm (D) x 25mm (H)

#### Unit Weight

- 120g

Note: Specifications in this datasheet are subject to change without prior notice.