

APL1100-200 UltraSpeed™ PowerLine Ethernet NetBridge™



200Mbps UltraSpeed™ Networking Connectivity

FEATURES & BENEFITS

- Up to 200Mbps speed over the standard facility electrical power lines
- Integrated Quality of Service (QOS) allows reliable triple play applications
- Transparent to facility circuit breakers
- Multi-channel HDTV and SDTV network distribution
- Simple Plug-and-Play installation
- Supports up to sixteen APL1100-200 devices on one network domain
- 168-bit Tri-DES encryption for secure data transmission
- Network segmentation through network identifier
- Ident-and-Connect™ feature allows ease of network scan and network segmentation
- Web based configuration
- Up to 300 meters of operational distance
- Compliance with IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX , UPA

OVERVIEW

The Aboundi APL1100-200 UltraSpeed™ PowerLine Ethernet NetBridge™ allows the Plug-and-Play simplicity utilizing the existing facility AC power electrical wiring as networking connections. The NetBridge™ allows IP Camera, Video Server, POS machine, Media Converter, Printers, Digital Signage and Network Equipments to be easily networked through multiple AC power outlets to share Internet access.

With build-in Quality of Service (QOS) and 200Mbps high speed data transmission capability, APL1100-200 ensures the high-quality, consistent performance network for multimedia and entertainment distribution of IPTV, HDTV, SDTV and other digital multimedia content and data networking applications.

The APL1100-200 NetBridge™ connects to any 10/100Mbps Ethernet ports on the computer, hence make it compatible with any Mac, Windows, and Unix machines.

All APL1100-200 NetBridge™ devices are equipped with 168-bit Tri-DES encryption for enhanced security. Combined with network segmentation and device encryption, the NetBridge™ is as secure as any traditional Ethernet wiring.



APL1100-200 UltraSpeed™ PowerLine Ethernet NetBridge™

SPECIFICATIONS*

Compliance:

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX
- UPA

Frequency Band:

- 2MHz ~ 30MHz

Interface:

- Shielded RJ-45 Connector
- 200Mbps PowerLine Connectivity

Access Methods:

- CSMA, TDMA

Encryption:

- 168-bit Tri-DES algorithm

Security:

- VLAN

QoS:

- VLAN IEEE802.1 p/q

Nodes:

- Supports up to sixteen APL1100-200 per network domain

Mechanical:

- W x D x H : 102 x 30 x 120 mm / 4 x 1.2 x 47.5 inch
- Weight : 390 g (0.9 lb)

LED:

- Power LED : Green (PWR)
On : Power On Off : Power Off
- Status LED :
PowerLine :
Blue (LNK/ACT) On : Link speed over 12 Mbps
Purple (LNK/ACT) On : Link speed between 6-12 Mbps
Amber (LNK/ACT) On : Link speed under 6 Mbps
Blink : Activity
- Ethernet Ports : Green (LNK/ACT)
On : Link Blink : Activity

Environmental:

- Temperature
Operating : -20 ~ +65°C/ -4 ~ +149°F
Storage : -20 ~ +80°C/ -4 ~ +176°F
- Humidity
Operating : 5 ~ 95% RH (non-condensing)
Storage : 5 ~ 95% RH (non-condensing)

Power Supply:

- Input rating : 100 ~ 240VAC, 50/60 Hz, 0.15A

EMC/ Safety Certification:

- FCC Part 15, Subpart B
- UL,CUL
- CE
- CB Scheme

ORDERING INFORMATION

- APL1100-200-01: 110 VAC Plug
- APL1100-200-02: 220 VAC Plug
- APL1100-200-03: 220 VAC UK Plug

