

UltraSpeed™ PowerLine Quad Ethernet NetBridge™

APL1400-200™



200Mbps UltraSpeed™ Networking Connectivity

FEATURES & BENEFITS

- Four shielded RJ-45 MDI/MDIX auto detection Ethernet ports
- 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
- Simple Plug-and-Play installation
- Supports up to sixteen APL1400-200 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 APL1400-200 UltraSpeed™ Series PowerLine Quad Ethernet NetBridge™ allows the Plug-and-Play simplicity utilizing the existing electrical wiring facility as the network infrastructure connections. The APL1400-200 enables IP Camera, Video Server, POS machine, Media Converter, Printers, Digital Signage and Network Equipments for easy broadband access in a tight cluster space.

The APL1400-200 NetBridge™ can be quickly installed for commercial applications require high bandwidth and critical demand of reliable network connection (QOS). This networking group can be easily reallocated without the need to rewire “home run” Ethernet drops to such cluster group locations.

The APL1400-200 NetBridge™ is designed specifically for small cluster networking applications by providing four MDI/MDIX auto detection RJ-45 ports that can connect to any 10/100Mbps Ethernet ports on the computer and other peripheral devices.



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SPECIFICATIONS*

Compliance:

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

Frequency Band:

- 2MHz ~ 30MHz

Interface:

- Four shielded RJ-45 Connectors
- 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 APL1400-200 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 Ports 1-4)
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 : AC100~240V, 50/60 Hz, 0.15A

EMC/ Safety Certification:

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

ORDERING INFORMATION

APL1400-200-01: 110 VAC Plug

APL1400-200-02: 220 VAC Plug

APL1400-200-03: 220 VAC UK Plug

