

APL4100-200 UltraSpeed™ Quad PowerLine Ethernet NetBridge™



200Mbps UltraSpeed™ Power Ready 4-Port Ethernet Bridge

FEATURES & BENEFITS

- Four shielded RJ-45 MDI/MDIX auto detect Ethernet ports
- Four power outlets with high surge protect capability (1400 Joules)
- 10A Over Current/Circuit Short Protection
- 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 fifteen APL4100-200 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 IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, UPA

OVERVIEW

The Aboundi APL4100-200 UltraSpeed™ Series Quad PowerLine Ethernet NetBridge™ allows the Plug-and-Play simplicity utilizing the existing electrical wiring facility as the network infrastructure connections. The APL4100-200 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 APL4100-200 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 APL4100-200 NetBridge™ is designed specifically for small cluster networking applications by providing four MDI/MDIX auto detect RJ-45 ports that can connect to any 10/100Mbps Ethernet ports on the computer and other peripheral devices such as IP Camera, monitors, serial control servers and etc.

The build-in four noise filtered and surge protected AC power plugs both solve the lack of cluster power connections but also protects equipments connected.



APL4100-200 UltraSpeed™ Quad PowerLine Ethernet NetBridge™

SPECIFICATIONS*

Compliance:

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

Frequency Band:

- 2MHz ~ 34MHz

Interface:

- Four shielded RJ-45 Connectors
- 200Mbps PowerLine connectivity
- Integrated four noise filtered and surge protected AC Power Outlets

Access Methods:

- CSMA, TDMA

Encryption:

- 168-bit Tri-DES algorithm

Security:

- VLAN

QOS:

- VLAN IEEE802.1 p/q

Nodes:

- Supports up to fifteen APL4100-200 per network domain

Mechanical:

- W x D x H : 120 x 235 x 40 mm/ 4.72 x 9.25 x 1.57 in
- Weight : 450g (1lb)

LED:

- Power LED: Green
On : Power On Off : Power Off
- Status LED:
Powerline : Green
On : Link Blink : Activity
Ethernet Ports : Green (Ports 1-4)
On : Link Blink : Activity

Environmental:

- Temperature
Operating : 0 ~ +40°C/ +32 ~ +104°F
Storage : -25 ~ +60°C/ -13 ~ +140°F
- Humidity
Operating : 10 ~ 90% RH (non-condensing)
Storage : 0 ~ 95% RH (non-condensing)

Power Supply:

- Input rating : AC100~240V, 50/60 Hz, 10A
- Surge energy rating : 1400 Joules
- Over current protection : 10Amps

EMC/ Safety Certification:

- FCC Part 15, Subpart B, Class B
- UL/cUL60950-1, UL1449
- CE Class B

ORDERING INFORMATION

- APL4100-200-01: 110 VAC Plug
- APL4100-200-02: 220 VAC Plug
- APL4100-200-03: 220 VAC UK Plug

