

# UltraSpeed™ Quad PowerLine Ethernet NetBridge™

## APL4100-200™



## 200Mbps UltraSpeed™ Power Ready 4-Port Ethernet Bridge

### FEATURES & BENEFITS

- Four shielded RJ-45 MDI/MDIX auto detection 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 sixteen 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 detection RJ-45 ports that can connect to any 10/100Mbps Ethernet ports on the computer and other peripheral devices.

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 ~ 30MHz

### 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 sixteen 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 : 10 ~ 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
- CB Scheme

### ORDERING INFORMATION

APL4100-200-01: 110 VAC Plug

APL4100-200-02: 220 VAC Plug

APL4100-200-03: 220 VAC UK Plug

