

APL4100-100 TurboSpeed™ Quad PowerLine Ethernet NetBridge™



Power Ready & High Surge Protection 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 85Mbps speed over the standard facility electrical power lines
- Transparent to facility circuit breakers
- Simple Plug-and-Play installation
- Supports up to fifteen APL4100-100 devices on one network domain
- 56-bit DES encryption for data transmission security
- Network segmentation through network password configuration
- Ident-and-Connect™ feature allows ease of network scan and network segmentation
- Up to 300 meters of operational distance
- Compliance with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, HomePlug

OVERVIEW

The Aboundi APL4100-100 TurboSpeed™ Series Quad PowerLine Ethernet NetBridge™ allows the Plug-and-Play simplicity utilizing the existing electrical wiring facility as the network infrastructure connections. The APL4100-100 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 Quad NetBridge™ can be quickly installed for commercial applications where small to medium sized networking group applications are required. This networking group can be easily reallocated without the need to rewire “home run” Ethernet drops to such cluster group locations.

The APL4100-100 Series 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.



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SPECIFICATIONS*

Compliance:

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

Frequency Band:

- 4.3MHz ~ 20.9MHz

Interface:

- Four shielded RJ-45 Connectors
- 85Mbps PowerLine connectivity
- Integrated four noise filtered and surge protected AC Power Outlets

Access Methods:

- CSMA/CA

Encryption:

- 56-bit DES Link Encryption with key management

Nodes:

- Supports up to fifteen APL4100-100 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 : AC110V, 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

APL4100-100-01: 110 VAC Plug

APL4100-100-02: 220 VAC Plug

APL4100-100-03: 220 VAC UK Plug

