



BiPAC 2300

BPL Access Head-End Unit

Connects and transfers data over the electric grid from the backhaul to the customer's endpoints

The Billion BiPAC 2300 BPL Access Head-End Unit provides a cost-effective means of delivering broadband to a large group of users within one building. The head-end can automatically deliver the broadband connection throughout the whole building via the electrical wiring. It works in even the hardest-to-reach building environment, and enables service providers to quickly and easily bring high-speed broadband access to business and residential customers in multi-dwelling units (MDUs) or multi-tenant buildings.

- 200Mbps physical connection bandwidth
- 10/100 Ethernet x 2
- AC power: 90-250VAC, 50/60Hz
- Ability to configure as a head-end master or a repeater
- Traffic control and isolation: VLAN/OVLAN
- 802.1D bridging protocol
- Up to 1024 MACs table size for multiple devices
- Up to 64 direct PLC connection
- DES and 3DES encryption
- QoS with 8 level priority queues
- 802.1P traffic priority classification
- Bandwidth limitation for each CPE
- Power mask management
- SNMP and web network management protocol
- Configurable bandwidth from 2 to 30MHz



BiPAC 2103

BPL Access End-Point Unit

Transform your home power cables into a high-speed computer network

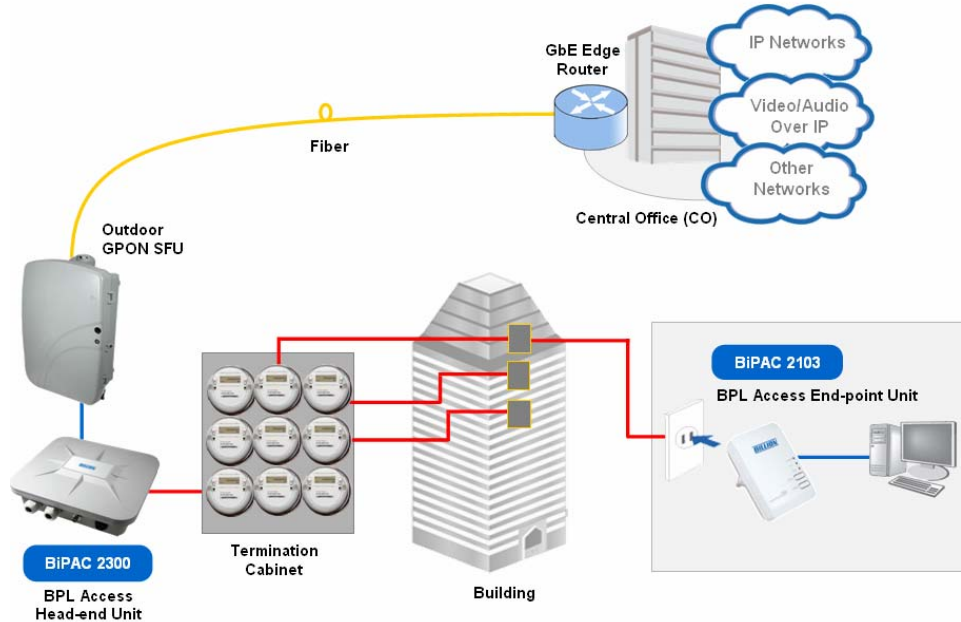
BPL solution is a low-cost, scalable, secure system that integrates broadband networking to deliver high-speed data over existing power lines. It allows users to create a high-speed local area network, without the need for new cabling. By installation of a BPL Head-end Unit, it enables Internet connection through existing power line cable. Users can simply connect the Billion BiPAC 2103 BPL Access End-Point Unit to any electrical socket in their home or office to create a link to the power line network.

- Plugs into a standard AC power outlet to receive Internet signal
- Performs Power line to Ethernet conversion
- Ethernet output connects to a computer or supplies broadband input to a home networking router or gateway
- QoS supported
- Bandwidth management for service class differentiation

Application Scenarios

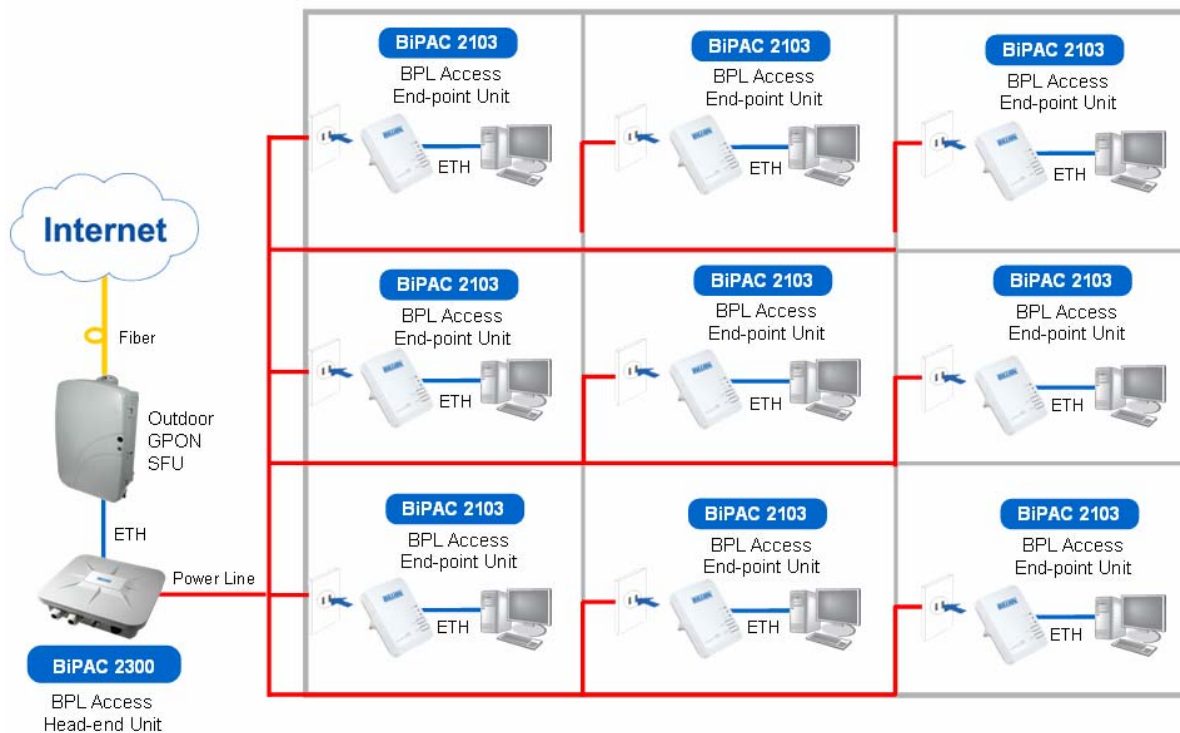
In-Building BPL Access Solution -

BPL Access Head-end Unit (BiPAC 2300) connects to CO side via Fiber network and distributes BPL signals to BPL Access End-Point Unit (BiPAC 2103) through its power cable.



The BPL Access Solution for Multiple Dwelling Building –

The BPL Access Head-End Unit (BiPAC2300), located close to the building, supplies the entire network distribution. BPL Access End-Point Unit (BiPAC 2103) connects to the Head-end and provides Internet access simply plug into power outlet.



Note: All the specifications are subject to change without prior notice.
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