



## BiPAC 2310

### EoC Head-End Unit

#### *Extends a high-speed Internet connection through existing CATV network*

EoC network system establishes a network within a building or community, enabling broadband connectivity over existing coaxial cables already in place. It provides fast reliable and cost effective distribution of broadband Internet access.

With EoC, the cable operator and system integrator can extend internet access and services to every TV outlet over coaxial network, without further infrastructure rewiring.

The EoC Head-End Unit acts as the bridge to combine the CATV and Ethernet signal for delivery over the standard coaxial in-building distribution system. It is designed to combine CATV signals with Ethernet digital data traffic to subscriber's home through the existing coaxial network. The EoC Head-End Unit can meet IP interactive service requirement of MDU application and supports VOD service through rate limit.

#### Advantages

##### **Easy to install**

Simply for CATV operators to connect EoC End-Point Unit to a splitter using the provided Ethernet cable and to an available coaxial outlet in the room to access your home's coaxial wiring to establish a network connection.

##### **Reliable HD streaming**

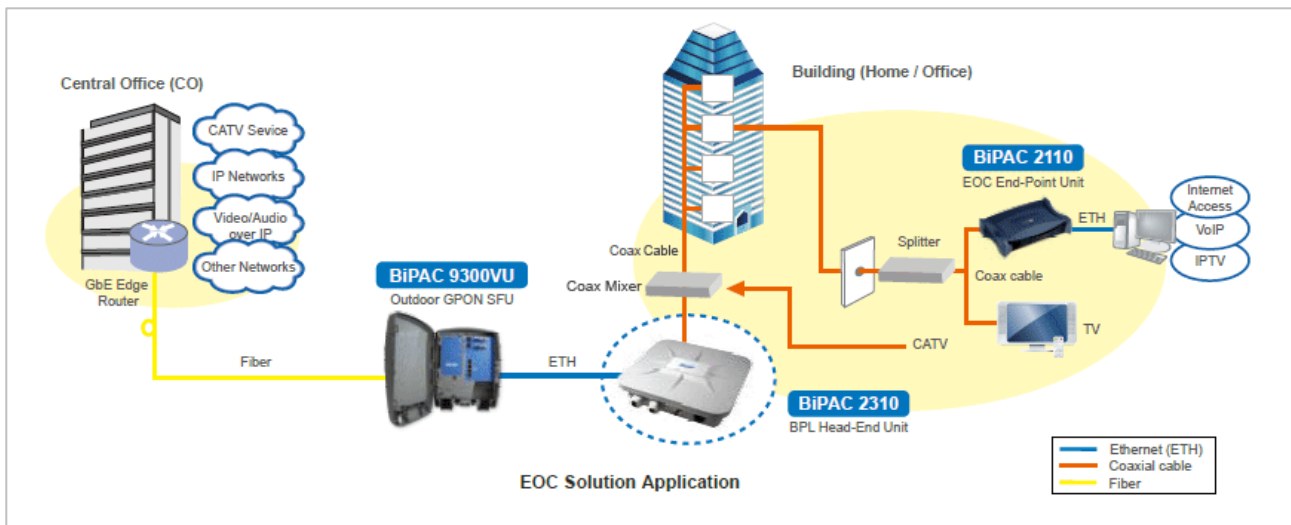
Deliver a faster and more reliable stream of High-Definition quality entertainment seamlessly across your home.

##### **Network security**

Provide data encryption with password protection to establish a secure connection to help keep your data safe from unauthorized access.

- 200Mbps physical connection bandwidth
- 10/100 Ethernet x 2
- Coaxial cable interface 75 Ohm F connector
- 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 128 MACs table size for multiple devices
- Up to 31 direct CATV connection
- DES and 3DES encryption
- QoS with 8 level priority queues
- 802.1P traffic priority classification
- Bandwidth limitation for each End Point
- Power mask management
- SNMP and web network management protocol
- Configurable bandwidth from 2 to 30MHz
- Dimension: 270 x 250 x 78 mm
- Unit net weight: 2.3 kg

## Application Diagrams



EOC Head-end Unit (BiPAC 2310) connects to CO side via Fiber network and distributes EoC signals to EOC End-Point Unit (BiPAC 2110) through its coaxial cable. The EoC End Unit (BiPAC 2110), located close to the building, supplies the entire network distribution. EoC Head-End Unit (BiPAC 2310) connects to the Head-end and provides Internet access simply connecting to coaxial outlet.

## Features & Specifications

### Transmission Speed

- 200Mbps physical connection bandwidth

### Modulation

- Support OFDM, up to 1536 carriers for better noise immunity

### Network Management

- SNMP

### Quality of Service Control

- Enhancements: contention-free access, eight-level priority based contention access,
- 802.1P traffic priority classification
- Traffic control and isolation: VLAN/OVLAN

### Supported Operating Systems

- Windows 2000 / XP / Vista / 7
- Other 10 / 100 Base-T Ethernet devices

### Encryption & Security

- DES and 3DES encryption
- 128-bit/256-bit AES Link Encryption with key management for secure power line communications

### Max. End-Point Connection

- Up to 31 End-Points connection

### Power Supply Specifications

- Input: 90 ~ 250V AC, 50 ~ 60Hz
- Protection: OCP, OVP, SCP

### Interface

- 10/100 Ethernet x 2
- Coaxial cable interface 75 Ohm F connector
- AC power inlet(AC 90~250V)
- DC power jack(DC 12V) as optional

### Physical Specifications

- Dimensions (W,D, H): 270mm x 250mm x 78mm
- Unit net weight: 2.3 kg

### Operating Environment

- Operating temperature: -20°C ~ +70°C
- Storage temperature: -30°C ~ +85°C
- Humidity: 20% ~ 95% non-condensing

\* Note: The Specification is subject to change without prior notification.

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