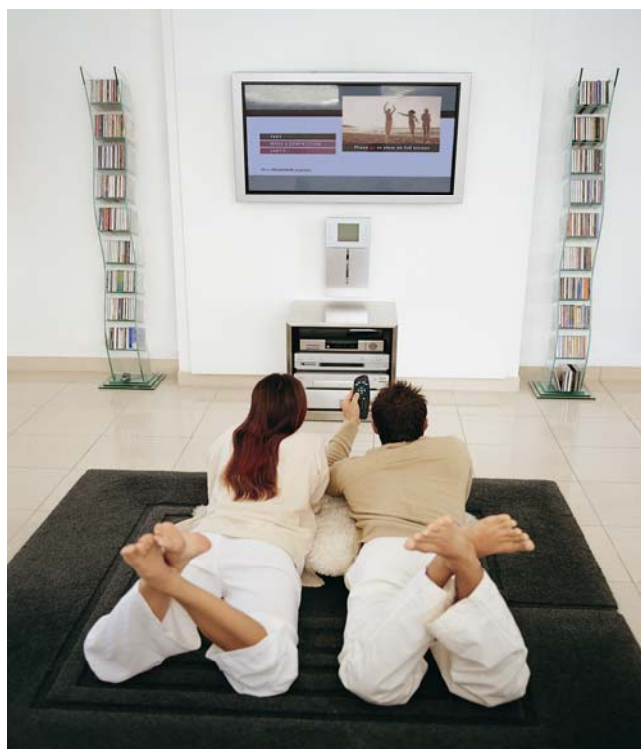


## BEC 9308 FTTH Media Gateway

BEC FTTH media gateway is the most efficient, flexible, and powerful devices in its class. It provides the power and scale needed for deploying multiple IPTV services into residence. BEC's FTTH media gateway's video streaming feature offers unique features that optimize the delivery of video content to customers—including VLAN, IGMP snooping, and proxying. Service providers can deploy multiple IPTV servers without the concern of bandwidth.



**BEC FTTH Media Gateway**



### Key Feature

- 8x10/100TX Ethernet ports
- 100Mbps WAN interface
- Tagged-based VLAN (IEEE 802.1Q)
- Layer 2 & Layer 3 QoS
- IGMP snooping & proxying
- PPPoE protocol support
- UPnP IGD profile support & NAT traversal
- DHCP client, server & relay support
- Stateful Inspection Firewall
- Network Address Translations (NAT)
- External AC power supply
- Web GUI,SNMP, and Telnet CLI for management & configuration

### VLAN OPERATION WITH INTEGRAL 8-PORT SWITCH (1 X WAN,8 X LAN)

FTTH media Gateways support up to 8 port-based, IEEE 802.1Q-tagged VLANs across its 8 x 10/100Mbps and 1 x 100Mbps WAN switch ports. This potent combination provides wire-speed Layer 2 switching between VLANs in addition to high-performance Layer 3 routing between VLANs in one highly cost-effective unit.

### COMPREHENSIVE SECURITY AND FIREWALL FEATURES

Simultaneously, firewall, Stateful Packet Inspection (SPI), Denial of Service (DoS) prevention and URL Filtering are all available to guard your network against malicious attack. Furthermore, the firewall provides e-mail alert service to notify you whenever attacks occur.

### VIDEO STREAMING

Video streaming offers unique features that optimize the delivery of video content to customers—including VLAN,IGMP snooping, and proxying. A BEC FTTH media gateway supports full IGMP snooping capabilities (v1/v2) and individual LAN ports can receive different multicast transmissions, whether movies or TV channels. The FTTH media gateway snoops IGMP packets in-transit to determine the destination-port for the particular multicast data. This process results in high-quality, high-bandwidth video streaming that does not affect Internet surfing or IP telephony on adjacent ports.

## Features & Specifications

### Network Protocols and features

- DHCP Client/Server
- Dynamic Domain Name System (DDNS)
- IGMP snooping & IGMP Proxy
- Hardware DMZ
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.1p
- IEEE 802.1q
- Multiple NAT (Multiple LAN & Multiple WAN)
- Multi-NAT\*
- NAT, static routing and RIP1/2
- NTP
- Port based VLAN Bridge mode • RFC 2068
- HTTP
- Router Mode (NAT Disable)
- SIP Pass-through
- SMTP Client
- SMTP
- System Log
- SNMP
- Static IP, PPPoE, PPPTP, Big Pond and DHCP client connection to ISP
- TOS marking
- Universal Plug and Play (UPnP)
- Virtual Server

### Firewall & Content Filter

- Stateful Packet Inspection (SPI)
- Denial of Service (DoS) prevention
- Packet Filter
- E-mail alert and logs of attack
- Intrusion Detection
- URL Filter
- Java Applet/ActiveX/Cookie/Blocking Web Proxy/Surfing of IP Address/
- MAC Address Filtering

### Quality of Service Control\*

- Support DiffServ approach
- Traffic prioritization and bandwidth management based-on IP protocol, port number and address
- Policy control based on IP address or MAC address

### Web-Based Management

- Easy-to-use WEB interface
- Firmware upgraded via WEB interface
- Local and remote management via HTTP & HTTPS
- SNMP
- Backup Firmware support

### Logging and Monitoring

- Centralized Logs
- System Log
- E-mail alert and logs of attack
- System status monitoring

### Operating Environment

- Operating temperature: 0 ~ 40 °
- Storage temperature: -20 ~ 70 °
- Humidity: 20 ~ 95% non-condensing

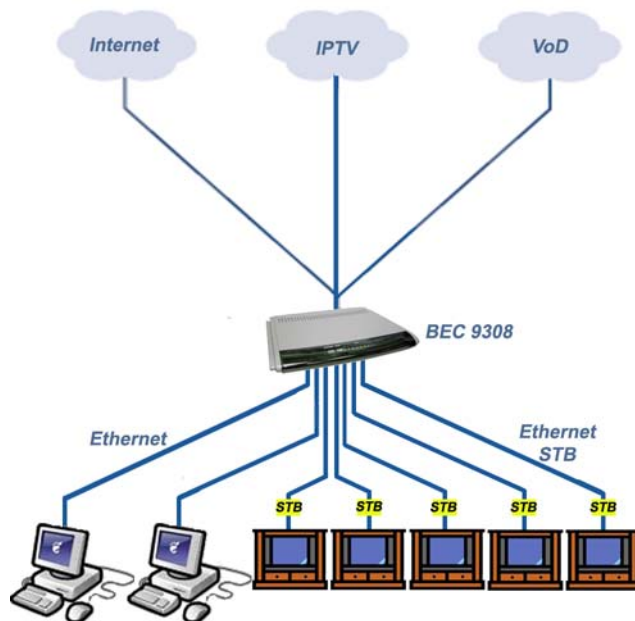
### Hardware Specification

#### Physical Interface

- 1 x 10/100Mbps WAN port
- 8 x 10/100Mbps LAN ports  
(1 port can be configured to DMZ)
- Power Switch
- Reset button

#### Physical Specification

- Dimensions: 10.43" x 6.93" x 1.73"
- Input: 12VDC, 1A



▲ Application Diagram

(\*): future release

All the specifications are subject to changes without prior notice.