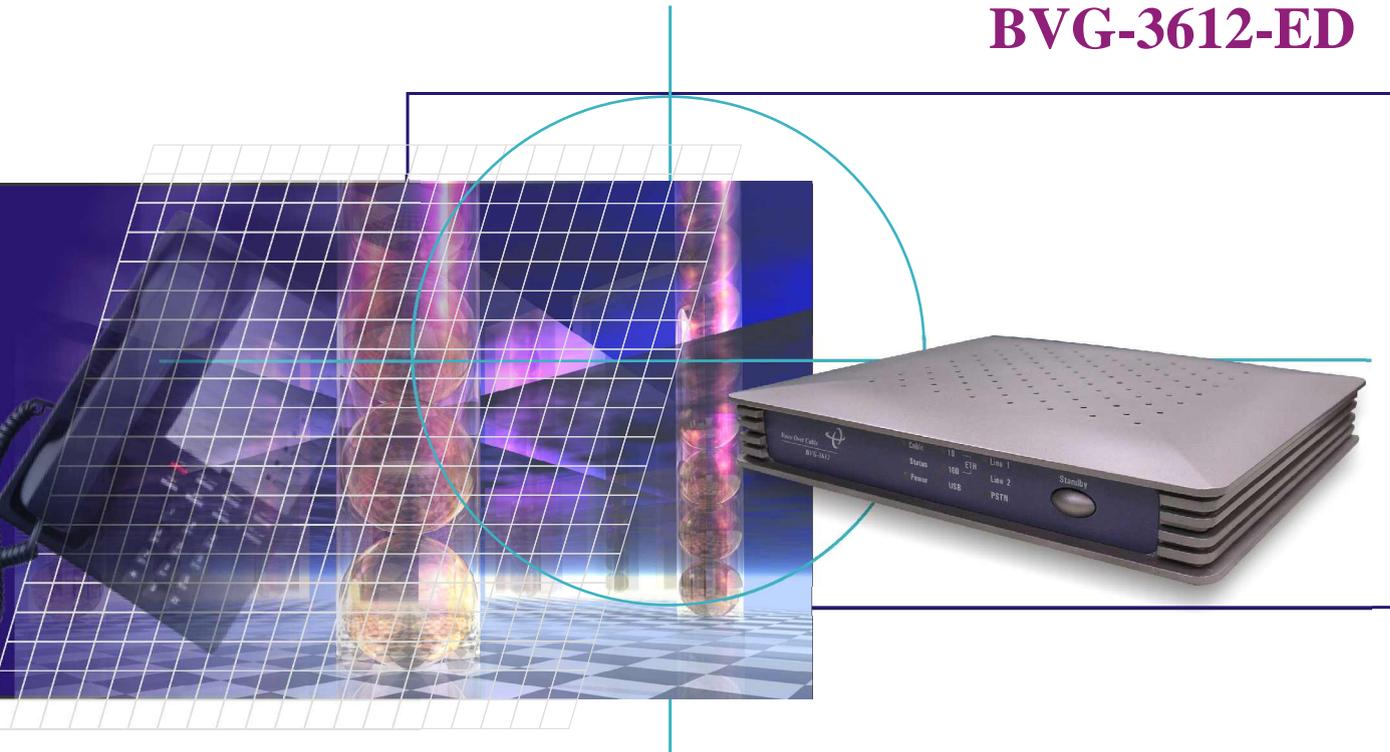


## VOIP Over Cable

# Cable Modem with Voice Enabled

## BVG-3612-ED



### OVERVIEW

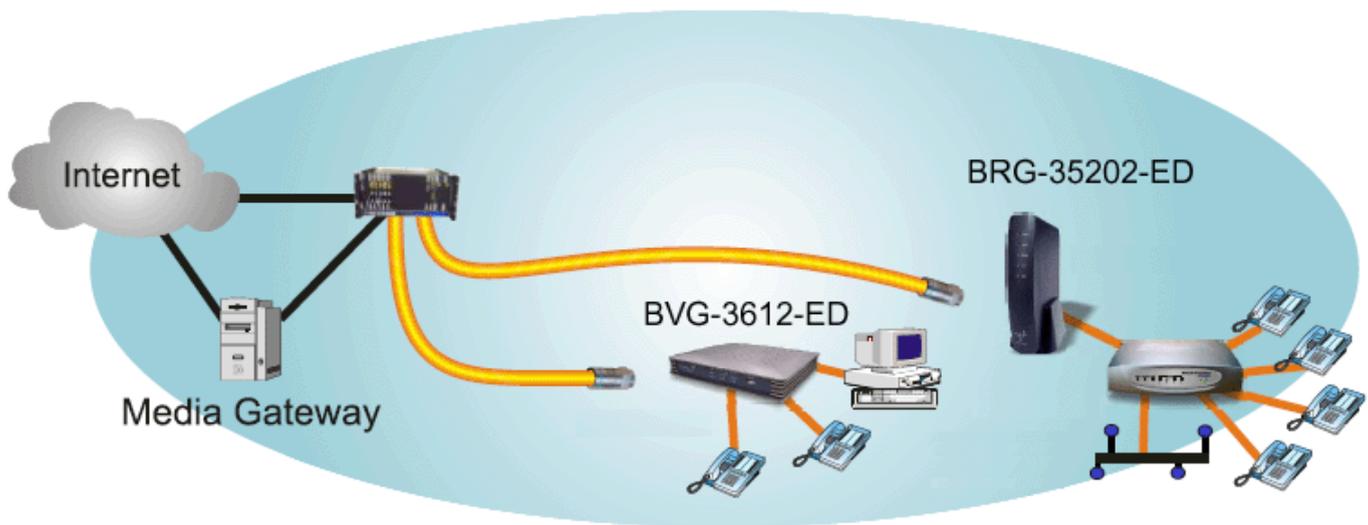
BVG-3612-ED provides two telephone lines on Cable Modem. It allows users make calls through the IP networks. There is a PSTN lifeline supported that provides the PSTN connections while power off. One 10/100BaseT Ethernet connection is used for PC connections, or USB connects to IP networks.

Easy installation is one of its main features: DHCP and TFTP clients allow it to automatically get its IP address and configuration data from network servers, without the intervention of either the user or installer. The service provider can use SNMP agents to do remote configuration and monitoring from a management station to complete all the provision.

BVG-3612-ED, is designed specifically to offer standard based Voice over Internet. BVG-3612-ED is a cost-effective, high performance EMTA product targeting to increase the added value of home networking service.

### KEY FEATURES

- EuroDOCSIS 1.1/2.0 compliant cable modem with built-in two voice ports for analog phone set.
- PacketCable 1.0 Compliant. Have done many interoperability test with major Call Agent Suppliers.
- One auto MDI/MDI-X detection RJ-45 10/100BaseT Ethernet port for accessing to network resources
- Support QoS for voice service, that the voice quality will not be affected by data access.
- High speed- the upstream can up to 10Mbps 30Mbps with 64QAM modulation.
- Extensive SNMP management support: MIB-II, Ethernet-like MIB, Bridge MIB, RF Interface MIB, Cable Device MIB, Baseline privacy Interface MIB
- Browser-based configuration and management
- Configurable Call Progress Tone profile, that are able to ship for different country without hardware change.
- Easy-to-read LED's clearly display network status and activity




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## Hardware Features

- Compliant to MCNS EuroDOCSIS 1.1/2.0 specifications
- F type RF connector for cable network interface
- One RJ-45, 10/100 Ethernet connector for LAN
- Two RJ-11 connector for voice
- One USB B connector
- One 12V power supply

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## Software Features

- Compliant to MCNS EuroDOCSIS 1.1/2.0 specifications
- Compliant to PacketCable 1.0 Specification
- Supports UDP, IP, ARP, ICMP, DHCP, TFTP, SNMP, HTTP
- Support G.711(A-Law, Mu-Law), G.723.1, G.729A, G.729AB voice compression
- Voice Activity Detection(VAD) with Comfort Noise Generation to save bandwidth consumption
- Support Auto-Jitter buffer adjustment to adapt with the jitter of Internet traffic
- Keep alive intervals and backup support to reconnect to redundant server
- DHCP, TFTP, and ToD clients, provide device auto configuration
- Support G.168 Echo Cancellation up to 16ms
- Support caller ID generation for USA, Japan and China
- No need to have fixed IP
- Provide regional profile to accommodate the regulation for different country
- Support standard SNMP, MIB-II, Ethernet-like MIB, Bridge MIB, RF Interface MIB, Cable Device MIB, Baseline privacy Interface MIB
- Supports TFTP software download
- Power on self-diagnostic
- Browser-based configuration and management
- Easy to install and friendly to user, just plug and play

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## Mechanical Features

- Ten status LED's: Power, Diag, USB, Cable Modem (Cable, Receive, Send), (Link/Act, Full/Col, 100Mbps) on Ethernet port, (Ring-out/Hook off) for voice port 1 and 2.
- Factory default reset button
- Product metrics:  
Dimensions: 55mm (H) x 230mm(W) x 152mm (D)
- Power Dissipation (Maximum): 8 Watts

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## SATEL S.A.

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