

BEC 5200S ADSL2+ Router



BEC 5200S Single Port ADSL2+ Modem/Router



A Simple Single Port Solution

BEC 5200S is an easy to setup and manage yet economical pack of single Ethernet port ADSL2+ Modem/Router perfectly designed for easy deployment and activation without loading software at customer premise. Field proven interoperable with major DSLAMs, BEC 5200S provides a reliable, fast and secured ADSL Internet connection that reduces the number of potential support calls.



Benefits

Increase service revenue with expanded upstream bandwidth

The router complies with ADSL worldwide standards. It supports downstream rate up to 12/24 Mbps with ADSL2/2+, and upstream rate up to 2.8Mbps with Annex M features. With this technology, service providers can offer service packages with high upstream speed comparable to T1 or G.SHDSL networks at much lower cost to satisfy subscribers with multimedia applications such as interactive gaming, video conferencing and real-time audio streaming.

Plug-and-Play reduces deployment cost

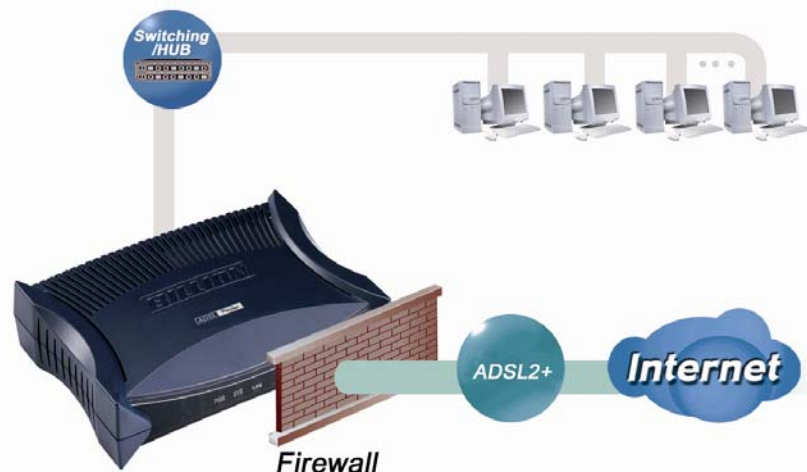
The quick installation wizard in a BEC 5200S provides an auto detect and configure feature that makes installation a snap. Even with complex networks, units can be setup and running in minutes using BEC user-friendly web interface or telnet for advanced users.

Remote Network Management

The Web-based User Interface makes the BEC 5200S extremely easy for service providers to install and manage the unit. BEC 5200S can be configured for remote access via Telnet or Web. The Access Control feature allows service providers to determine what services and interfaces are accessible to remote terminals. IP Filtering feature provides extra security by limiting the source IP accessible to the remote unit.

Key Features

- Supports G.lite, T1.413, ADSL, ADSL2, ADSL2+, and RE-ADSL
- Enhanced upload speed with Annex M (up to 2.8Mbps)
- Simple Network Management via web interface and Telnet
- Firewall Security with DoS Prevention and Packet Filtering
- Interoperable with major DSLAMs
- Support Virtual Private Network (VPN) pass-through
- Intuitive interface for quick self installation



5200S Application Diagram

Technical Specifications

ADSL Compliance

- Compliant with ADSL Standard
 - Full-rate ANSI T1.413 Issue 2
 - G.dmt (ITU G.992.1)
 - G.lite (ITU G.992.2)
 - G.hs (ITU G.994.1)
 - ADSL over ISDN/U-R2
- Compliant with ADSL2 Standard
 - G.dmt.bis (ITU G.992.3)
 - ADSL2 Annex M (ITU G.992.3 Annex M)
- Compliant with ADSL2+ Standard
 - G.dmt.bisplus (ITU G.992.5)
 - ADSL2+ Annex M (ITU G.992.5 Annex M)

Network Protocols and Features

- NAT, static routing and RIP-1/2
- NAT supports PAT and multimedia applications
- Multi-to-multi NAT
- Transparent Bridging
- Dynamic Domain Name System (DDNS)
- SNTP
- DNS relay

Firewall & Virtual Private Network (VPN)

- Built-in NAT Firewall
- Prevent DoS attacks including Land Attack, Ping of Death, etc.
- Anti probe function
- Packet filtering
- Password protection for system management
- VPN pass-through

Operating Environment

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

ATM and PPP Protocols

- ATM Adaptation Layer Type 5 (AAL5)
- Multiple Protocol over AAL5 (RFC 2684, formerly RFC 1483)
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- OAM F4/F5
- ATM QoS: UBR, CBR, VBR-rt, VBR-nrt

Management

- Web-based configuration
- Firmware upgraded and configuration data upload and download via HTTP/FTP
- SNMP v2 MIB supported
- Support DHCP server/client/relay

Hardware Specification

Physical Interface

- LINE: ADSL port
- LAN: RJ-45 10/100M
- Factory default reset button
- Power jack/Power Switch

Physical Specification

- Dimensions: 5.20" x 3.70" x 1.38"
(132mm x 94mm x 35mm)

Power Requirement

- (5200S) Input: 9V AC, 1A

Models & Standards Support

- BEC 5200S: Annex A & Annex M
- Annex A and Annex M: ADSL over POTS



5200S Rear Panel View

Note: Specifications in this datasheet are subject to changes without notice.