



BEC 5200S

High Speed ADSL2+ Single Port



Performance:

- Powerful 32-bit RISC Network Processor delivering exceptional throughput and performance
- Fully Compliant to all ADSL standards: G.lite, T1.413, ADSL 1/2/2+ and RE-ADSL
- Enhanced upload speed with Annex M (up to 2.8Mbps)

Interoperability:

- Interoperable with all major DSLAMs
- Enhanced ADSL DMT Engine
- Improved INP (impulse noise protection) better range, superior performance, less transmission errors

Firewall:

- Stateful Packet Inspection Firewall with DoS Prevention
- Packet Filtering based on IP and MAC
- URL Content Filtering
- Support Virtual Private Network (VPN) pass-through

Management:

- Intuitive Web based GUI with Quick Installation Wizard
- SNMP v2 MIB
- Telnet
- TR-069 remote management

Ideal for:

- Home, SOHO environments
- Self-Installation Service Offerings

The BEC 5200S is an easy-to-use ADSL2+ Modem/Router designed for home and SOHO users to enjoy an high-speed ADSL Internet connection with rich firewall security and a user-friendly Web interface. The 5200S is capable of supporting ADSL2+ downstream rates of up to 24 Mbps and enhanced upstream rates up to 2.8Mbps with Annex M. The powerful SOHO Firewall protects against hackers' attacks when you surf the Internet. VPN pass-through is also supported for secure access. In addition, the 5200S supports a simple yet intuitive the web-based graphical user interface for easy configuration and management of the network.

Benefits

High-Speed Internet Access

The router complies with ADSL worldwide standards. It supports downstream rates up to 12/24 bps with ADSL2/2+, and upstream rates up to 2.8Mbps with Annex M. Users enjoy not only high-speed ADSL service but also broadband multimedia applications such as: interactive gaming, video streaming and real-time audio much more quickly and easily than ever.

SOHO Firewall Security

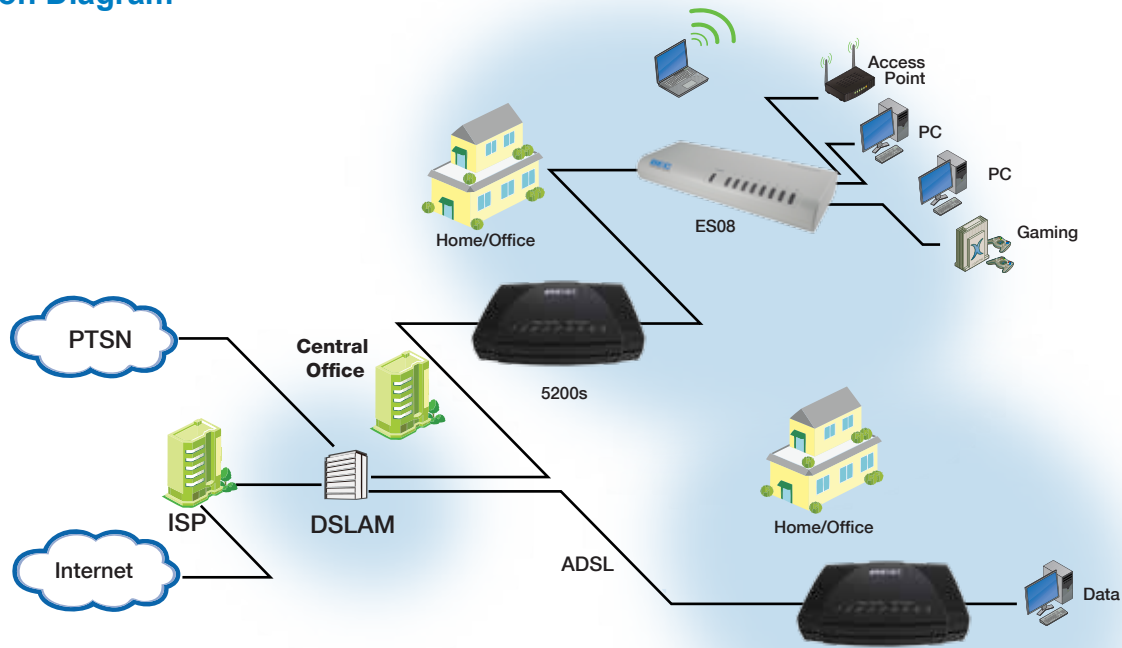
Along with the Stateful Packet Inspection (SPI) firewall, the router's advanced anti-hacker patternfiltering protection feature automatically detects and blocks Denial of Service (DoS) attacks. In addition the router supports Packet Filtering for high-level security control.

Remote Network Management

The Web-based User Interface makes the BEC 5200S extremely easy for users to install and manage the network. The router supports DHCP client and server, enabling automatic network configuration of devices on the LAN. Service providers can manage the 5200S remotely via Telnet, Web or TR-069. The Access Control feature allows service providers to determine what services and interfaces are accessible to remote terminals.



Application Diagram



Features & 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