



BEC 5200W

Wireless - N 150Mbps ADSL2+ Firewall Router



Performance:

- High speed Internet access with ADSL2/2+; backward compatible with ADSL
- Up to 150Mbps wireless operation rate
- Wireless-N Technology, compliant with IEEE 802.11g, 802.11b standards
- 4-port 10/100 Ethernet switch

Interoperability:

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

Firewall

- Built-in NAT Firewall
- Stateful Packet Inspection (SPI)
- Prevents DoS attacks including Land Attack, Ping of Death, etc.

Management:

- Web-based configuration
- Firmware upgrades and configuration data transfers via web-based interface
- SNMP v1/v2, MIB supported

Ideal for:

- Home, SOHO environments
- Self-Installation Service Offerings

Express Internet Access

Complying with worldwide ADSL standards, the BEC 5200W supports downstream data transmission rates up to 12/24 Mbps with ADSL2/2+, 8 Mbps with ADSL, and performs at upstream rates of up to 1 Mbps. Even more; the BEC 5200W includes Annex M technology that supports the latest ADSL2/2+ standard for higher upload speeds by increasing the upstream operation rate to approximately 2.5Mbps (up to 3Mbps under ideal conditions). With this technology, you can enjoy even higher-speed broadband multimedia applications such as interactive gaming, video streaming and real-time audios that run faster and easier than ever.

Upgraded Wireless Access

With an integrated 802.11n Wireless Access Point that supports up to 150Mbps wireless operation rate, your wireless connection is truly improved compared to the 802.11g standard, yet this router can switch compliance with 802.11b/g network devices. Wireless Protected Access (WPA-PSK / WPA2-PSK) and Wired Equivalent Privacy (WEP) features enhance the level of transmission security and access control over your Wireless LAN.

Robust Security and Smooth Traffic

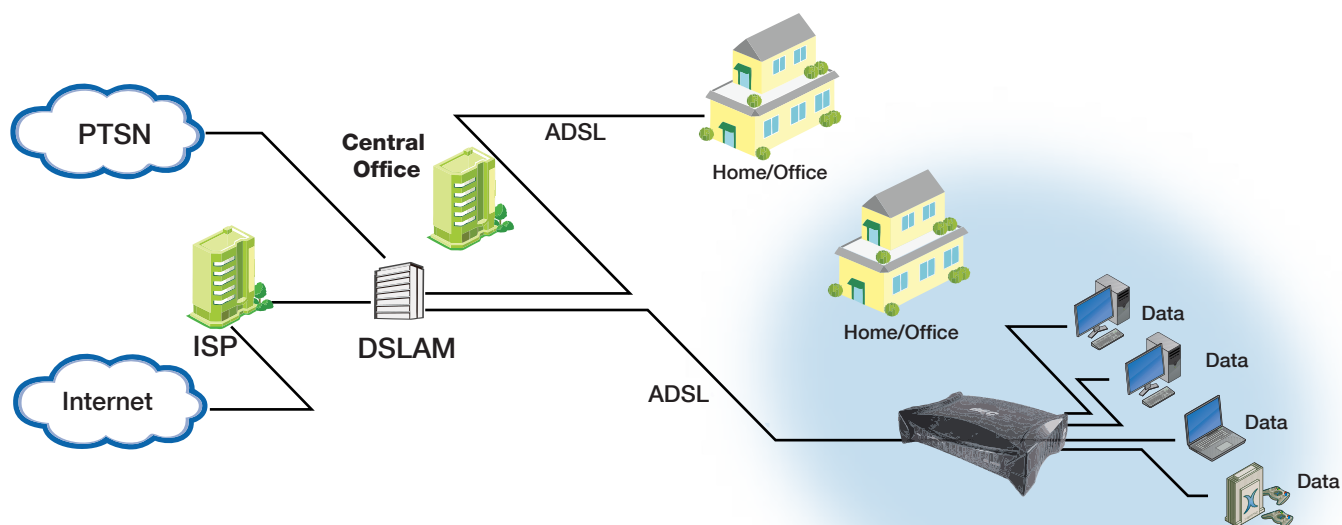
The NAT default firewall has an advanced anti-hacker pattern-filtering protection feature Denial of Service (DoS) that can automatically detect and block attacks. In addition, Packet Filtering provides high-level security for access control. Built-in with Stateful Packet Inspection (SPI), this router enables users to determine whether a data packet is allowed to pass through the firewall to the private LAN. Quality of Service Control prioritizes the traffic and allows users to enjoy smooth traffic flow while running applications such as P2P or multimedia through the Internet.

Easy Network Management

A user-friendly, web-based user interface makes installing and managing the BEC 5200W extremely simple. With support for both DHCP client and server, system administrators can manage IP assignment without having to reconfigure other stations and fitting the router into existing network environments is as easy as a breeze!



Application Diagram



Features & Specifications

ADSL Compliance

- **Compliant with ADSL Standards**
 - 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 Standards**
 - G.dmt.bis (ITU G.992.3)
 - ADSL2 Annex M (ITU G.992.3 Annex M)
- **Compliant with ADSL2+ Standards**
 - G.dmt.bis plus (ITU G.992.5)
 - ADSL2+ Annex M (ITU G.992.5 Annex M)

Network Protocols and Features

- NAT, static routing and RIP-1/2
- Multi-to-multi NAT
- Transparent Bridging
- Dynamic Domain Name System (DDNS)
- Virtual Server and DMZ
- SNTP, DNS relay and IGMP proxy

Firewall & Virtual Private Network (VPN)

- Built-in NAT Firewall
- Stateful Packet Inspection (SPI)
- Prevents DoS attacks including Land Attack, Ping of Death, etc.
- Anti probe function
- Packet filtering, MAC filtering, URL filtering
- Password protection for system management
- VPN pass-through

Quality of Service Control

- Supports the DiffServ approach
- Traffic prioritization based-on IP protocol, port number and address

Wireless LAN

- Wireless-N Technology, compliant with 802.11g, 802.11b standards
- Up to 150Mbps wireless operation rate
- 2.4 GHz–2.484 GHz frequency range
- 64/128 bits WEP supported for encryption
- Wireless Security with WPA-PSK/WPA2-PSK support

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 upgrades and configuration data transfers via web-based interface
- SNMP v1/v2, MIB supported
- Supports DHCP server/client/relay
- Operating Environment
 - Operating temperature: 0 - 40
 - Storage temperature: -20 - 70
 - Humidity: 20% - 95% non-condensing

Hardware Specifications Physical Interface

- DSL: ADSL port
- Ethernet: 4-port 10/100M auto-crossover (MDI/MDI-X) switch
- Factory default reset button
- Power jack
- Power switch
- WLAN: 1 antenna

Physical Specifications

- Dimensions: 7.28" x 4.86" x 1.42" (185mm x 123.5mm x 36mm)

Power Requirements

- Input: 12V DC, 1A

Models & Supported Standards

- Annex A and Annex M: ADSL over POTS