

4G/LTE Broadband

The Ultimate Router with SX Antenna

Broadband Access without Boundaries

BEC 6200 Series

Site Installation Aides for Rapid Deployment

- Cell Tower ID Display
- Signal Assessment Tools
- Dynamic Event Logging

High Availability

- Automatic Fail-Over between 4G Cellular and/or Ethernet WAN



SX Antenna technology

Delivers dramatically superior range and optimized network capacity

Up to 40% increase in signal reception & efficiency

Slash operational costs: eliminate the need for external antennas

Advanced Management

Intuitive Web GUI and management center

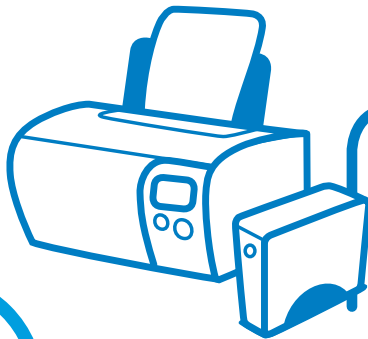
SNMP, Telnet and Syslog

TR-069 Support

Remote Centralized Management

Feature-Rich Residential Gateway

End users can share Internet access, peripherals, files, digital multimedia content, parental control and applications among multiple personal computers and other Internet-enabled devices.



BEC's SiteSmart App

- Mobile Management
- Signal Strength
- Network Information
- Card Information



- Supported Frequency Bands:
 - LTE: B2, B3, B4, B5, B7, B8, B12, B13, B17, B20, B25 (Models may vary)
 - UMTS/HSPA+: B1, B2, B4, B5, B8
 - CDMA 1xRTT/EV-DO Rev A: BC0, BC1, BC10
 - GSM/GPRS/EDGE (850/900/1800/1900)
- Peak 100Mbps/50Mbps download/upload speed
- (4) Port 10/100 Ethernet Interfaces
- High Performance 802.11n WLAN with WPS and mSSID
- Supports GPON, Active Ethernet ONTs
- Stateful Inspection Firewall security with DoS prevention
- QoS (Quality of Service Control)

Features & Specifications

Availability and Resilience

- Dual-WAN ports (4G & Ethernet WAN)
- Load balancing - Maximizing bandwidth of outbound traffic
- Auto fail-over between 4G and EWAN

Supported Frequency Bands

- LTE:
 - B4/B17 - 6200WZL R4
 - B13 - 6200WZL R4 B
 - B12/17 - 6200WZL R5
 - B41 - 6200WZL R7
 - B3/B7/B8/B20 - 6200WZL R8
- UMTS/HSPA+: B1, B2, B4, B5, B8
- CDMA 1xRTT/EV-DO Rev A: BC0, BC1, BC10
- GSM/GPRS/EDGE (850/900/1800/1900)
- Peak downlink speeds up to 100Mbps and peak uplink speeds up to 50Mbps
- Receive equalizer with antenna diversity on the 800, 850, 900, 1900, 2100 MHz, and AWS(1700/2100 MHz) bands
- Web-based GUI for Configuration and Management Center

Network Protocols and Features

- NAT, static routing and RIP-1 / 2
- NAT supports PAT and multimedia applications
- Transparent bridging
- Virtual server and DMZ
- SNTP, DNS relay and DDNS
- IGMP snooping and IGMP proxy
- File sharing with SMB (Samba) / CIFS

Firewall Management

- Built-in NAT Firewall
- Stateful Packet Inspection (SPI)
- Prevents DoS attacks including Land Attack, Ping of Death, etc.
- Remote access control for web base access
- Packet and 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

- Compliant with IEEE 802.11n
- Backward compatible with IEEE 802.11g and 802.11b standards
- 2.412GHz - 2.484GHz frequency range
- Up to 150Mbps wireless operation rate
- 64 / 128 bits WEP supported for encryption
- WPS (Wi-Fi Protected Setup) for easy setup
- Wireless Security with WPA-PSK / WPA2-PSK support
- WDS repeater function support
- Multiple SSID

Management

- Management Center
- Web-based for remote and local management
- Firmware Upgrades and Configuration data upload/download via web-based interface
- Embedded Telnet server for local management
- SNMP v1 / v2 / v3, MIB-I and MIB-II support
- Syslog monitoring
- Supports DHCP server / client / relay
- Mail Alert
- TR-069 remote management support

Hardware Specifications

Physical Interface

- SX Series Antenna
- Ethernet: 4 x 10 / 100Mbps Auto-MDI / MDI-X RJ-45 ports
- Reset button
- WPS push button
- Power jack
- Power switch
- SIM slot : (for the SIM card from Telco / ISP)

Physical Specifications

- Dimensions: 7.28" x 4.86" x 1.38"
(185mm x 123.5mm x 35mm)

Power Requirements

- Input: 12V DC, 1.2A

Operating Environment

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