BiPAC 6200NXL

Dual-WAN 3.75G Wireless-N Broadband Router

Share your networks wherever you go in ultimate speed with WiFi security, always-on connectivity and smart management!

Featuring the latest 3G and Wireless-N technologies, the Billion BiPAC 6200NXL is an all-in-one network device that enables you to enjoy the freedom of secure and high-speed Internet connection at offsite meetings, tradeshows, conferences, workshops, at home or on the go. Using the integrated USB 2.0 ports, the device allows you to share a blistering wired or 3G-based wireless Internet connection with multiple computers or laptops. With the Billion BiPAC 6200NXL, can easily download photos, stream High Definition(HD) video files, run media-intensive applications, watch movies or share files with your clients, team members, friends or family. The router can even function as a printer server, Webcam or FTP server for network device sharing [*6]. While connecting to 3G wireless hotspots, the 3G-connection status can be monitored at any time using Billion's value-added application utility, the 3G Management Center. This allows you to monitor and maximize your internet connection and also managing your 3G monthly subscriptions.

Always-On Connection

With the Billion's BiPAC 6200NXL, you can connect a 3G / HSDPA USB modem to its the built-in USB port, enabling you to access to the Internet over a 3.5G / HSDPA, 3.75G / HSUPA, HSPA+, UMTS, EDGE, GPRS, or GSM networks, making downstream rates of up to 14.4 Mbps[*1] possible! With a supported Ethernet WAN port, BiPAC 6200NXL can function as an ADSL / Cable modem. The built-in auto fail-over ensures maximum connectivity and minimum interruption by quickly and smoothly connecting to a 3G network in the event that your current wired connection fails.It will also automatically reconnect to the wired connection when it's restored, reducing minimizing connection costs. These features are perfect for office situations where constant connection is paramount. An optional 12V car power cable [*2] is also bundled, that allows you to power the device using your car's cigarette lighter for ultimate on the road mobility.

Multiple-function Servers

The BiPAC 6200NXL can serve as a multi-function server with its USB port to help you set up your own network in a short time. You can share the printer in your office, monitor your house with a Webcam, share files with your colleagues or friends, or even download FTP or BT files when you are mobile.
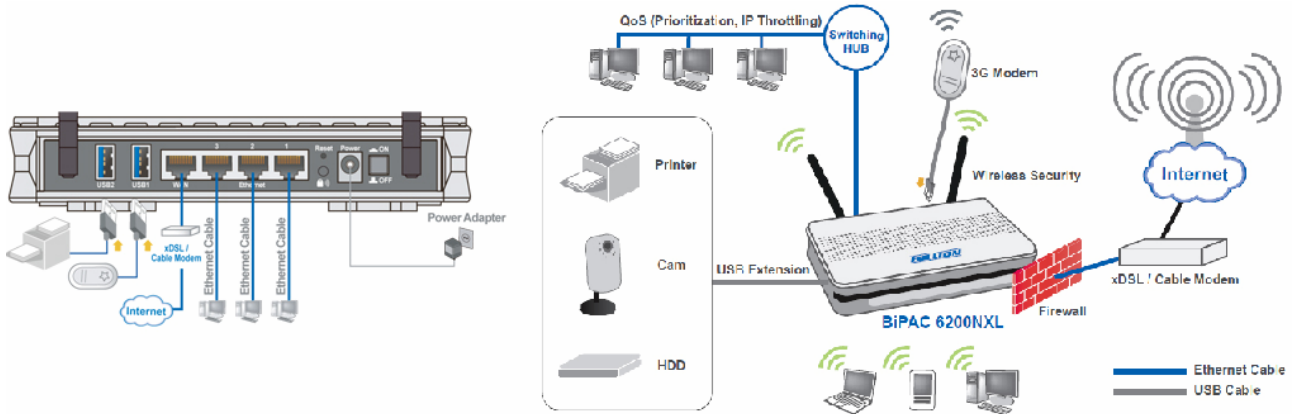
Wireless Mobility and Security

With an integrated draft 802.11n Wireless Access Point, the router delivers up to 3 times the wireless coverage of a 802.11b / g network device and supports a data rate of up to 300Mbps, so that wireless access is available everywhere in the house or at work. The BiPAC 6200NXL also supports the Wi-Fi Protected Setup (WPS) standard and allows users to establish a secure wireless network by simply pushing a button. If your network requires wider coverage, the built-in Wireless Distribution System (WDS) repeater function allows you to expand your wireless network without the need for any further wires or cables. Multiple SSIDs allow users to access different networks through a single access point. Network managers can assign different policies and functions for each SSID, increasing the flexibility and efficiency of the network infrastructure

3G Management Center

With the BiPAC 6200NXL, monitoring your 3G connection status is a breeze. Billion's unique 3G Management Center is an utility tool displaying its current 3G-signal status visually for users to maximize their connection. You can monitor the bandwidth with current upload and download speed. This tool also calculates the total amount of hours or data traffic used per month, allowing you to manage your 3G monthly subscriptions.

▲ BiPAC 6200NXL Front Panel

▲ BiPAC 6200NXL Rear Panel

- Supports 3.5G / HSDPA, 3.75G / HSUPA, HSPA+, EVDO and TD-SCDMA (backward compatible with 3G / 2.75G / 2.5G)
- Dual WAN interfaces for EWAN and 3.5G / 3.75G connections
- Draft 802.11n Wireless AP
- 2 x USB 2.0 ports for multiple functions: 3.5G/3.75G networks, printer server, Webcam server, FTP server, Samba server, FTP client [*6] and BT client [*6]
- Supports Wi-Fi Protected Setup (WPS) and WPA-PSK / WPA2-PSK
- Supports multiple SSIDs for flexibility of network infrastructure
- High-speed wireless connection up to 300 Mbps data rate
- Expanded wireless coverage of up to 3 times the range of 802.11g products
- Auto fail-over for always-on connection [*6]
- Load balancing – Maximizing bandwidth of outbound and inbound traffic [*6]
- 3G Management Center for connection monitoring
- SOHO firewall security with DoS prevention and SPI
- Quality of Service control
- Syslog monitoring
- IPTV applications [*3] support
- Ideal for SOHO users, Office users, and event organizers

Powering communications with **Security**

Features & Specifications

Availability and Resilience
- Dual-WAN ports (3G & Ethernet WAN)
- Load balancing - Maximizing bandwidth of outbound and inbound traffic [*6]
- Auto fail-over/fail-back [*6]

3.5G / 3.75G Broadband Sharing
- Supports 3.5G / HSDPA, 3.75G / HSUPA, HSPA+, EVDO and TD-SCDMA
- True mobile broadband sharing (3.5G / 3.75G)
- Common 3.5G / 3.75G USB modem support
- 3.5G / 3.75G signal strength display
- 3.5G / 3.75G APN and PIN code support
- 3G time state monitor (Current connection time, Monthly total connection time & Monthly total traffic amount)

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, 802.11g and 802.11b standards
- 2.4GHz - 2.484GHz frequency range
- Up to 300Mbps 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

USB Applications Server
- 3.5G / 3.75G network sharing
- Printer server
- Storage: FTP server, Samba server, FTP client [*6], BT client [*6]
- Webcam server

Management
- 3G Management Center
- Quick Installation Wizard
- 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 [*5] supports remote management
- Multiple language support

Hardware Specifications
Physical Interface
- USB: 2 x USB 2.0 ports
- WLAN: 2T2R antennas
- Ethernet: 3 x 10 / 100Mbps Auto-MDI / MDI-X RJ-45 Ethernet ports
- WAN: 1 x 10 / 100Mbps Auto-MDI / MDI-X RJ-45 Ethernet port
- Reset button
- WPS push button
- Power jack
- Power switch

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

Compatible 3G USB modems

Brand	Model
Huawei	E169, E172, E220, E270, E272
ZTE	MF622, MF626, MF636, MF638
NOVATEL	NOVATEL MC950D, MC 930D, MC950D
Sierra	Aircard 880U, 875U, 885U

Notes:
1. The 3G / HSDPA data rate is dependent on your local service provider and your 3G / HSDPA modem.
2. The car power cable can be made available as an optional accessory upon request.
3. IPTV applications may require subscribing to IPTV services from a Telco / ISP.
4. Specifications in this datasheet are subject to change without prior notice.
5. By request of the Telco/ISP projects
6. Future release