BILLION®

BiPAC 4500NZ *R2*
4G/LTE Wireless VPN Router

BiPAC 4500NZL *R2*
4G/LTE Wireless Router

SIM 4G/LTE Embedded

Gigabit

EWAN

((•)) 802.11n

VPN Security
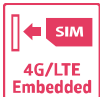
BiPAC 4500NZ *R2*/ BiPAC 4500NZL *R2*

The BiPAC 4500NZ *R2*/ 4500NZL *R2* supports the state-of-the-art 4G/LTE network which is reliable, scalable and flexible for indoor applications. Embedded with 4G/LTE module and Gigabit EWAN interfaces, the BiPAC 4500NZ *R2*/ 4500NZL *R2* enables high-speed and secured Internet connectivity for home, SOHO, and enterprise users. With an integrated 802.11n 2.4GHz wireless access point and 4-port Gigabit Ethernet LAN, the BiPAC 4500NZ *R2*/ 4500NZL *R2* can run 10 times faster LAN connection than the regular Fast Ethernet LAN.

4G LTE Mobility

With 4G/LTE-based Internet connection (embedded 4G/LTE module), users can access the Internet while sitting on anywhere.

Automatic Failover/Failback between 4G/LTE and Gigabit EWAN

Uniquely embedded with 4G/LTE and Gigabit EWAN interfaces, BiPAC 4500NZ *R2*/ 4500NZL *R2* ensures a seamless Internet connectivity by featuring superior Failover/Failback functionality between 4G/LTE and EWAN. Either wired or wireless connection can be set up as primary or backup WAN port. When the main WAN interface fails, the secondary WAN interface will automatically back up the connection to ensure an always-on connectivity.

Wireless Mobility and Security

With an integrated high transmission power 802.11n access point, BiPAC 4500NZ *R2*/ 4500NZL *R2* is available everywhere in the house or office. Multiple SSIDs with Client Isolation to enhance the level of transmission security and access control over the Wireless LAN. The network manager can assign different policies and functions for each SSID, increasing the flexibility and efficiency of the network infrastructure.

Secured VPN connection (BiPAC 4500NZ *R2* only)

Supporting comprehensive and robust VPN (Virtual Private Network) protocols including IPSec, OpenVPN, GRE, PPTP, L2TP, BiPAC 4500NZ *R2* allows users can establish private and encrypted data transmission tunnels over the public Internet between headquarter and branch offices. With a built-in DES/3DES VPN accelerator, BiPAC 4500NZ *R2* dramatically enhances IPSec VPN performance.

High Performance
- High speed 4G/LTE module[1]
- Gigabit Ethernet WAN and LAN

High Availability
- Fully supports for multiple LTE frequency bands[1]
- Dual-WAN interfaces - 4G/LTE and Gigabit EWAN
- High transmission power 802.11n 2.4GHz
- Multiple wireless SSIDs with wireless client isolation

Secure VPN Connections
(BiPAC 4500NZ *R2* only)
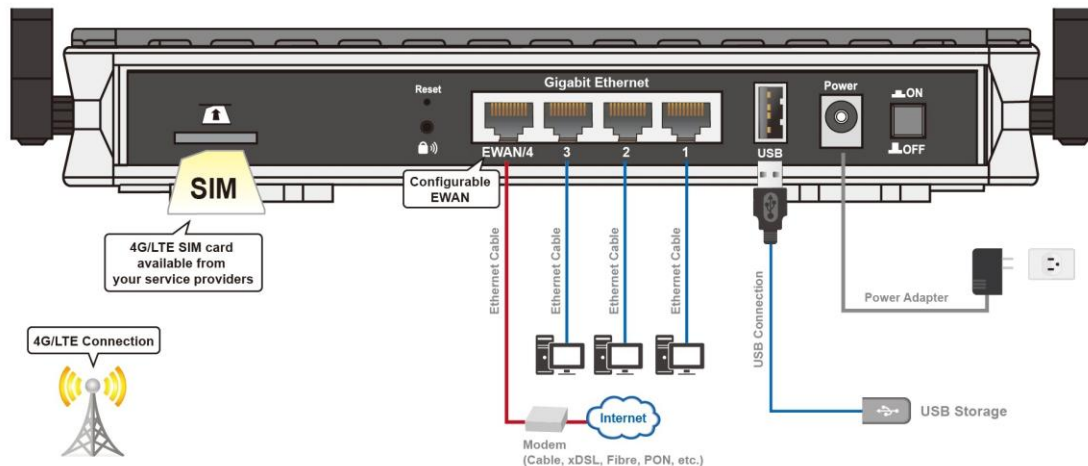- Embedded IPSec, GRE, OpenVPN, PPTP, L2TP with powerful encryption

IPv6 Support
- IPv4, IPv6, IPv4/ IPv6 dual stack[2]

USB Storage/ NAS
- Embedded SAMBA server, FTP server

Ideal for SOHO, office, and home users

Application Diagram

Features & Specifications

High-speed Mobile Wireless Communication
- Embedded high performance 4G/LTE module [1]
- High performance external antenna

Embedded 4G/LTE [1]
- Frequency bands and data rare depend on equipped LTE module

Network Protocols and Features
- Dual WAN Failover/ Failback
- IPv4, IPv6, IPv4/IPv6 dual stack [2]
- Dual APN [3]
- Keep Alive
- IP Pass-Through
- NAT, Virtual Server and DMZ
- Static Routing, Dynamic Routing (RIP v1/v2, OSPF, BGP)
- SNTP, DNS relay and DDNS
- Universal Plug and Play (UPnP) compliant
- Supports DHCP server/ client/ relay

Firewall
- Built-in NAT Firewall
- Stateful Packet Inspection (SPI)
- Prevents DoS attacks including Land Attack, Ping of Death, etc.
- Access Control
- IP Filtering, MAC Filtering, URL Filtering
- VPN pass-through

Virtual Private Network (BiPAC 4500NZ R2 only)
- IPSec
- PPTP
- L2TP
- GRE
- OpenVPN

Wireless LAN
- IEEE 802.11b/g/n 2.4GHz compliant
- Up to 300Mbps wireless operation rate at 2.4GHz
- High transmission power
- 64/128 bits WEP supported for encryption
- Wireless security with WPA-PSK, WPA2-PSK, Mixed WPA/WPA2-PSK
- WPS (Wi-Fi Protected Setup) for easy setup
- Multiple wireless SSIDs
- Wireless MAC Filtering
- Wireless Client Isolation

USB Applications Server
- Storage/NAS: FTP server, SAMBA server

Management
- Password protection for system management
- Quick installation wizard
- Web-based GUI for remote and local management
- Firmware upgrades and configuration data upload and download via Web-based GUI
- TR-069 (CWMP) [2], SNMP
- 3G/ 4G LTE Usage Allowance
- Syslog monitoring
- Physical layer/protocol diagnostic test tool
- Scheduling Auto-Reboot

Hardware Specifications

Physical Interface
- Two (2) detachable high performance 4G LTE antennas
- Two (2) internal 2.4GHz antennas
- Four (4) Gigabit Ethernet auto-crossover (MDI/MDI-X) switch
- One (1) USB 2.0 host type A
- One (1) 2FF mini-SIM slot
- Factory default reset button
- Wireless on/off and WPS push button
- Power jack for DC input

Physical Specifications
- Dimensions: 9.04" x 6.10" x 1.69" (229.5 mm x 155 mm x 43 mm)

Power Requirements
- DC power input: 15V DC, 1.6A

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

Notes:
1. The 4G LTE is dependent on your local service provider.
2. Only upon request for Telco/ ISP tender projects.
3. Dual APN is not supported on some specific SKU, please confirm it with our sales.
4. Specifications in this datasheet are subject to change without prior notice.

■ 代理商

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