



Ideal for
Home,
and SOHO
Users

BiPAC 4400CRL-Q2

4G LTE WiFi 802.11n CPE Router

The BiPAC 4400CRL-Q2 router is a compact and advanced 4G/LTE embedded router running on multiple LTE bands including TDD and FDD, delivering ultra-fast 4G/LTE access speeds with peak download rate up to 150Mbps and can automatically fall back to the 3G/2G network when it gets a poor and unstable 4G LTE environment. Users can watch movies, download music or access e-mail wherever a 4G/LTE connection is available. Integrating with an 802.11n (2.4GHz) access point and a 4-port 10/100 Mbps switch that the port #4 can be configured as WAN/LAN port, the BiPAC 4400CRL-Q2 delivers a faster wireless speed up to 300Mbps and can flexibly connect to Cable/Fiber/xDSL modem for broadband connectivity. Supporting TR-069, the BiPAC 4400CRL-Q2 can be easily managed by a centralized device management system (CMS) for configuration and monitoring.

High Availability and Network Resilience

The BiPAC 4400CRL-Q2 is a feature rich advanced 4G LTE router coupled with robust network processing and Multi-WAN connectivity which is specifically built for network resilience. The platform supports dual APN for one SIM card to provide two individual internet connections. In the event of a connectivity failure of the primary WAN interface, traffic is automatically redirected to the secondary WAN interface. The BiPAC 4400CRL-Q2 will also fall back when the primary interface connection is restored. This functionality operates regardless of whether the primary connection is LTE or a wired connection such as fiber, cable or DSL.

Optimal wireless performance

With an integrated 802.11n Wireless Access Point, the router supports data rate up to 300Mbps and is also compatible with 802.11b/g/n equipment. The Wireless Protected Access (WPA-PSK/WPA2-PSK) and Wireless Encryption Protocol (WEP) features enhance the level of transmission security and access control over Wireless LAN. The router also supports the Wi-Fi Protected Setup (WPS) standard, allowing users to establish a secure wireless network by simply pushing a button. The built-in Wireless Distribution System (WDS) repeater function allows you to expand your wireless network without the need for any external wires or cables.

Pathway to the Future

IPv6 (Internet Protocol Version 6), launched as the current IPv4 is getting filled up, has gradually become the indispensable addressing system. Equipped with IPv6, the BiPAC 4400CRL-Q2 eagerly provides users a better working environment, a shortcut to upgrade, and a more efficient solution to save budget. For the customers during this transition period, dual stack (IPv4 and IPv6) feature enables the hosts a convenient way to reserve both addresses to smooth over this coexistent period.



- Multiple bands support including TDD LTE and FDD LTE.
- CAT-4 LTE with peak download rate to 150Mbps.
- Fallback to 3G/2G if LTE network is not stable.
- Dual APN for one SIM card to provide 2 individual internet connections.
- LTE/3G/2G IP Passthrough feature make CPE work as a modem for other devices.
- High performance detachable external antenna.
- 4-port 10/100 Mbps.
- Ethernet port #4 can be configured as a WAN interface for broadband connectivity.
- Wireless speed of up to 300Mbps.
- TR069 support.
- IPv6 Dual Stack support.
- EWAN/LTE Failover / Fallback

Features & Specifications

Embedded 4G LTE

- LTE-FDD: B1/2/3/5/7/8/12/20
- LTE-TDD: B38/40/41
- UMTS: 850/900/1800/1900/2100MHz
- GSM: 850/900/1800/1900MHz
- Peak Downlink/Uplink Rate: 150Mbps/50Mbps(Cat4)
- High performance detachable external antenna

Network Protocols and Features

- DHCP Server/Client
- IPv4, IPv6, IPv4/IPv6 dual stack
- NAT, static routing and RIP v1/v2
- Virtual server and DMZ
- SNTP, DNS proxy
- Universal Plug and Play (UPnP) compliant
- Dynamic Domain Name System (DDNS)
- OSPF, BGP

Wireless

- 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
- Multiple wireless SSIDs with wireless guest access
- Wireless Client Isolation
- Supports WDS repeater function

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
- Password protection for system management
- VPN pass-through

Virtual Private Network

- IPSec
- PPTP
- L2TP
- GRE

Management

- Web-based GUI for remote and local management
- Web-based GUI multi user access level
- Firmware upgrades and configuration data upload and download via web-based GUI
- Supports DHCP server/client/relay (WAN port)
- TR-069 supports remote management
- Supports SNMP

Physical Interface

- LTE: 2x high performance detachable antennas
- Ethernet LAN: 4x 10/100Mbps ports
- Wireless LAN: 2x internal PIFA antennas
- SIM slot (for the SIM from Telco/ISP)
- Factory default reset button
- WPS push button
- Power jack for DC input
- LED Indicators

Hardware Specifications

- Dimensions: 142mm x 98mm x 20mm

