

**AP
4100**

4G LTE WiFi 802.11n CPE Router

- Multiple bands support included 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 switch.
- Ethernet port #4 can be configured as a WAN interface for broadband connectivity.
- Wireless speed of up to 300Mbps.
- GRE tunnel
- TR069 support
- IPv6 Dual Stack support.



OVERVIEW

The AirPro AP4100 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. Featuring superior failover/fallback functionality, the router can automatically fall back to the 3G/2G net work 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 AirPro AP4100 delivers a faster wireless speed up to 300Mbps and can flexibly connect to Cable/Fiber/xDSL modem for broadband connectivity. Supporting TR-069, the AirPro AP4100 can be easily managed by a centralized device management system (CMS) for configuration and monitoring.

High Availability and Network Resilience

The AirPro AP4100 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 AirPro AP4100 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 802.11a/b/g 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 AirPro AP4100 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.

FEATURES & SPECIFICATIONS

Embedded 4G LTE (Fallback to 3G)

- LTE-FDD: Band 700(B12)/900(B8)1800(B3)/2100(B1)/2600MHz(B7)
- LTE-TDD: Band 2300MHz(B40)
- UMTS: 850/900/1800/1900/2100MHz
- GSM: 850/900/1800/1900MHz
- Peak Downlink/Uplink Rate: 150Mbps/ 50Mbps(Cat4)
- High performance detachable external antenna

FEATURES & SPECIFICATIONS

Network Protocols and Features

- Supports DHCP server/client DNS Proxy SNTP / NTP
- Dynamic Domain Name System (DDNS)
- Virtual Server and DMZ
- Universal Plug and Play (UPnP) compliant NAT, Static Routing

Wireless

- Compliant with IEEE 802.11n, 802.11g and 802.11b standards
- 2.4GHz - 2.484GHz frequency range
- Up to 300Mbps wireless operation rate
- Up to 32 users Multiple SSID
- Wireless security with WPA, WPA2, Mixed WPA/WPA2 and 64/128 bits WEP
- WPS (Wi-Fi Protected Setup) for easy setup

Firewall

- Stateful Packet Inspection (SPI) IP Filtering, MAC Filtering, URL Filtering
- Password protection for system management

Hardware Specifications

Physical Specifications

- Dimensions: 142mm x 98mm x 20mm

Management

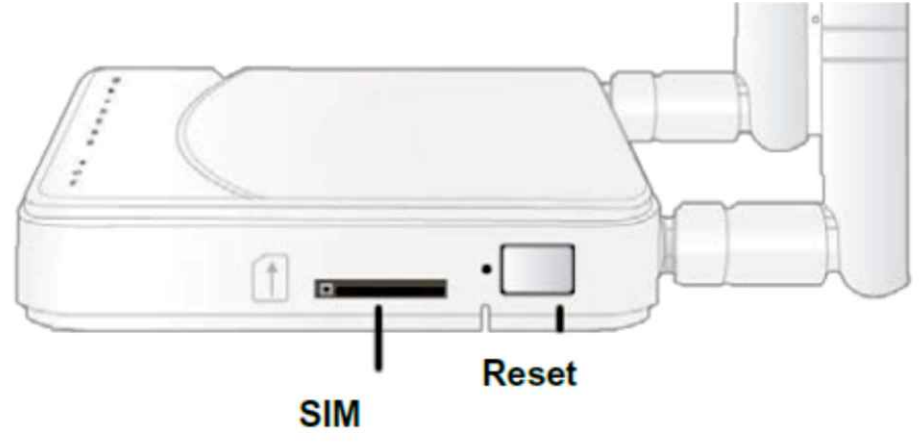
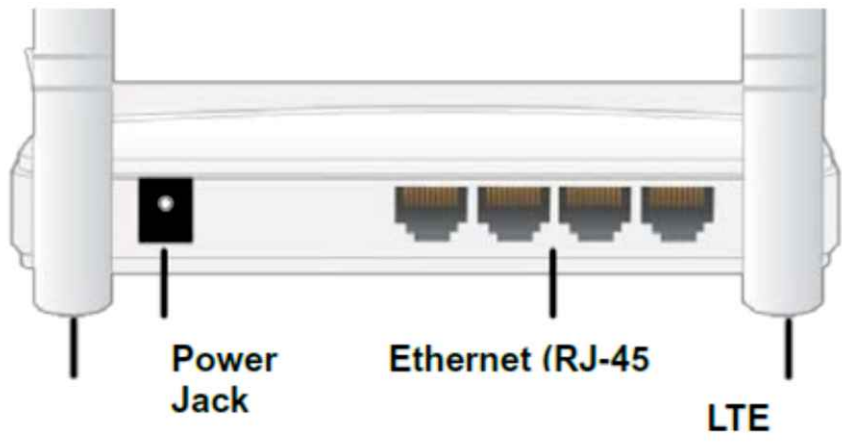
- Web-based GUI for remote and local management
- Firmware upgrade and configuration data upload and download via web-based GUI TR069 WAN access
- Supporting USSD codes
- Embedded Telnet server for remote and local management System Log

Physical Interface

- LTE Wireless: 2x detachable high performance detachable antennas
- Ethernet LAN: 4-port 10/100Mbps auto-crossover (MDI/MDI-X) switch
- 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
- SNMP v1/v2 supports remote and local management
- LED Indicators: Power, LTE status, Ethernet LAN, Wireless

Operating Environment

- Temperature:
 - 10 to 50 °C (Standard Operating)
 - 20 to 70 °C (Non-operating)
- Humidity:
 - 10% to 95% (Non-condensing, Standard Operating)
 - 5% to 95% (Non-condensing, Non-operating)
- Vibration: IEC 68-2-36, IEC 68-2-6
- Shock: IEC 68-2-29
- Drop: IEC 68-2-3



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