



4G/LTE Router Series








**Broaden Your Horizon Through Advanced
4G/LTE Technology**

AIRPRO TECHNOLOGY INDIA PVT. LTD.

Introduction



4G –LTE is the latest generation of wireless broadband technology, providing outstanding transmission efficiency, cost effective management tool, substantial bandwidth capacity and broadband service coverage. AirPro provides a variety of LTE products, creating superior solution for in-house or challenging outdoor environments, maintaining strong network connectivity in served or underserved area and enabling service providers and system integrators in niche market to build comprehensive system applications and long-term winning business model to further explore potential business opportunities and generate revenue.

Indoor Failover Router	AP-4100	
Indoor Failover Wireless Solution	AP-LT4505N (VPN)	
	AP-LT4525AN (Dual SIM /VPN)	
Industrial Grade 4G Router	AP-LT100	
Outdoor LT	AP5700EU	
	AP5700EUW	
Airpro CMS (Central Management System)	<ul style="list-style-type: none">• Remote Upgrade, Reboot, and Configuration• CPE Service Monitoring & Diagnosis• Group and Schedule Function	



Advanced Antenna Technology

AirPro Indoor 4G/ LTE routers incorporate the advanced antenna Technology to increase the signal reception and efficiency, providing wider range and optimized network capacity. Outdoor 4G/LTE routers integrate with dual-polarized MIMO antenna to maximize the data rate and service coverage in LOS and NLOS environments.

High Availability and Network Resilience

AirPro 4G/ LTE routers support multi-WAN connectivity, which actively monitors the primary and backup connection for fully automated failover between Giga EWAN and 4G-LTE. When the primary WAN interface fails, secondary WAN interface will automatically backup the connection, allowing main WAN interface to restore in time and minimize service interruption.

Integrate VoIP and Advanced Telephony Features (For LTE VoIP models)

AirPro VOIP LTE routers equip two on-broad phone connections with integrated QoS to ensure all time high quality calls. The routers allow interoperability with SIP devices and major VOIP gateway by adopting VOIP standard and SIP protocol, supporting wider range of telephony features including Call Waiting, Conference, Speed Dial, Return Call and Redial.



Secure VPN Connection

AirPro 4G LTE router support VPN protocol that business users can build private and encrypted transmission tunnel in which secured information transmission is guaranteed between offices over public internet.

Carrier-grade Wireless LAN with Wi-Fi hotspot (For Outdoor LTE Wireless models)

AirPro 4G LTE Outdoor Wireless Wi-Fi models support Carrier-grade WLAN, offering Wi-Fi Hotspot functionality where there is a cellular signal. The captive portal enables highly secure connectivity with multiple authentication options and extensive controls for access and bandwidth management. Customization options allow for operator logos, branding or advertisement placement.

IPSEC+GRE

IPSEC_GRE provides data confidentiality and allows IP multicast-based applications such as routing protocols, multicast updates and multicast applications for real-time voice and video streaming over IP between numerous agencies.

Ethernet + GRE

Ethernet over GRE creates a GRE tunnel to transfer Ethernet data between two routers while Ethernet over GRE function is enabled, all Ethernet traffic will be bridged as if there is a physical Ethernet interface between the two routers. Ethernet +GRE makes multiple networks schemes possible such as LANs over Internet and VLAN over Internet.

IPv6- the Path to the Future

Along with the increasing needed of IPv6 and IPv4 coexistence and migration, service provider will benefit from AirPro IPv6 enabled devices to adapt IPv6 easily and expand in scope and size of their network.

Outdoor Applications

AirPro outdoor 4G LTE routers offer superior RF and antenna engineering to maximize LTE performance and comprehensive networking solutions to be utilized in diverse revenue generating applications and vertical markets.

Installed in the Challenging Environments

AirPro outdoor 4G LTE router, 5700 series can work reliably in freezing or desert-like environments for extensive times, AirPro outdoor 4G LTE router is covered with industrial-grade IP67 hardware casing and embedded with the water-proofed capability to endure the harshest climate without cracking. The dual antenna design can extend the signals in remote and rural areas. Our outdoor 4G LTE router series is ideal for delivering optimal network connectivity to oil and mining site, serving as the reliable communication backbones for critical communication applications.



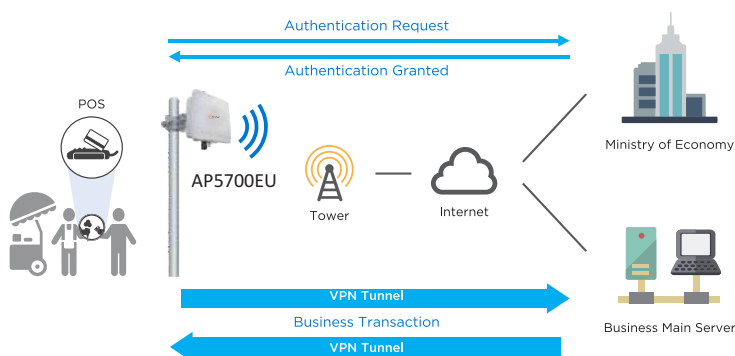
Instant Outdoor Hotspot Setup with 4G LTE

AirPro Outdoor 4G LTE Wireless router series integrate the latest generation of LTE fixed wireless networks and the Wi-Fi wireless technology, providing an instant high-performance 4G LTE connectivity to outside harsh environments with Wi-Fi Hotspot application.



Instant POS Setup for Credit Card Access in Remote Area

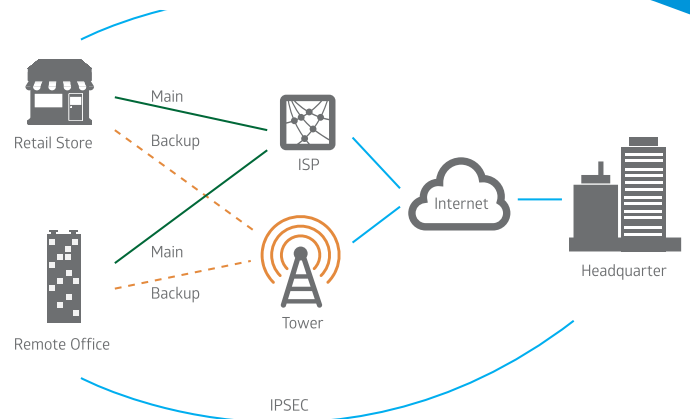
AirPro 4G LTE outdoor router series provide an excellent 4G LTE connection, enabling instant POS setup for credit card access in remote areas where there is no fixed line Internet connection. Because of different local legislations, the POS system needs to set up an Internet connection with government financial department. AirPro AP5700 series can establish VPN connection with the central business unit where the main company server is located to process the transaction seamlessly.



Indoor Applications

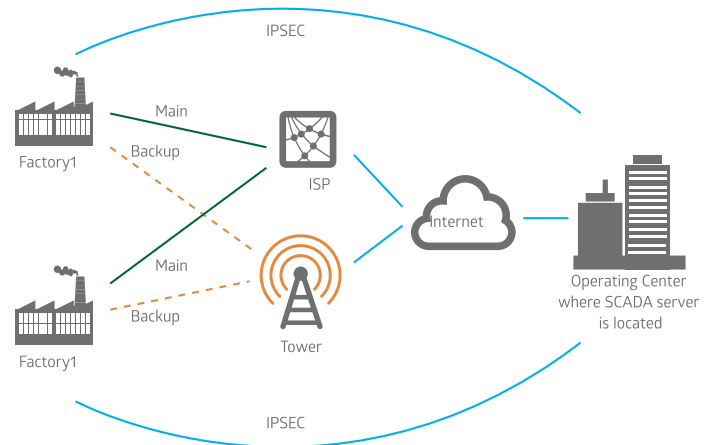
VPN (Virtual Private Network) Redundancy

VPN redundancy keeps data under solid network protection and consistency by failing over to 4G LTE network while original connection fails. To meet the secure transmission requirements especially in retail PoS and headquarter-branch office applications, this functionality is crucial for creating a reliable redundancy to ensure seamless Internet connectivity.



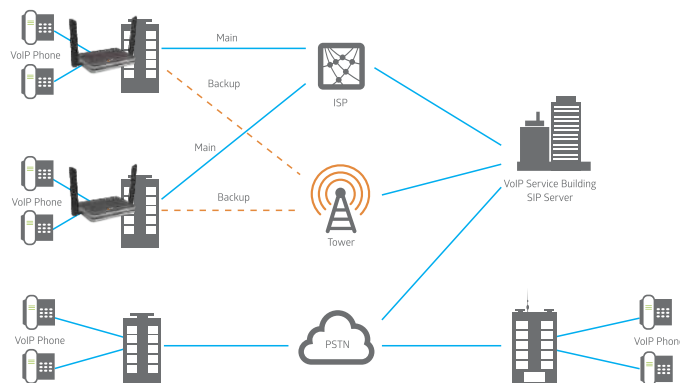
SCADA over VPN Tunnel with Backup Connection

AirPro LTE VPN fail over solutions has successfully been applied to different SCADA (Supervisory Control and Data Acquisition) to send data from different factories in time.



Failover – Failback Solution for Voice Provider

With the 4G LTE failover and fallback capability, voice provider can provide a secure, high-speed solution to backup the Internet connection in case of any network failure. We support common voice settings like call forwarding, call waiting, conference call, anonymous call, block anonymous call speeddial, return call and redial etc. as well as help local SIP port setting to resolve network blocking problems. Customizable features and interfaces can be modified to meet the voice providers' needs for them to provide high-quality, user-friendly solution to their customers.

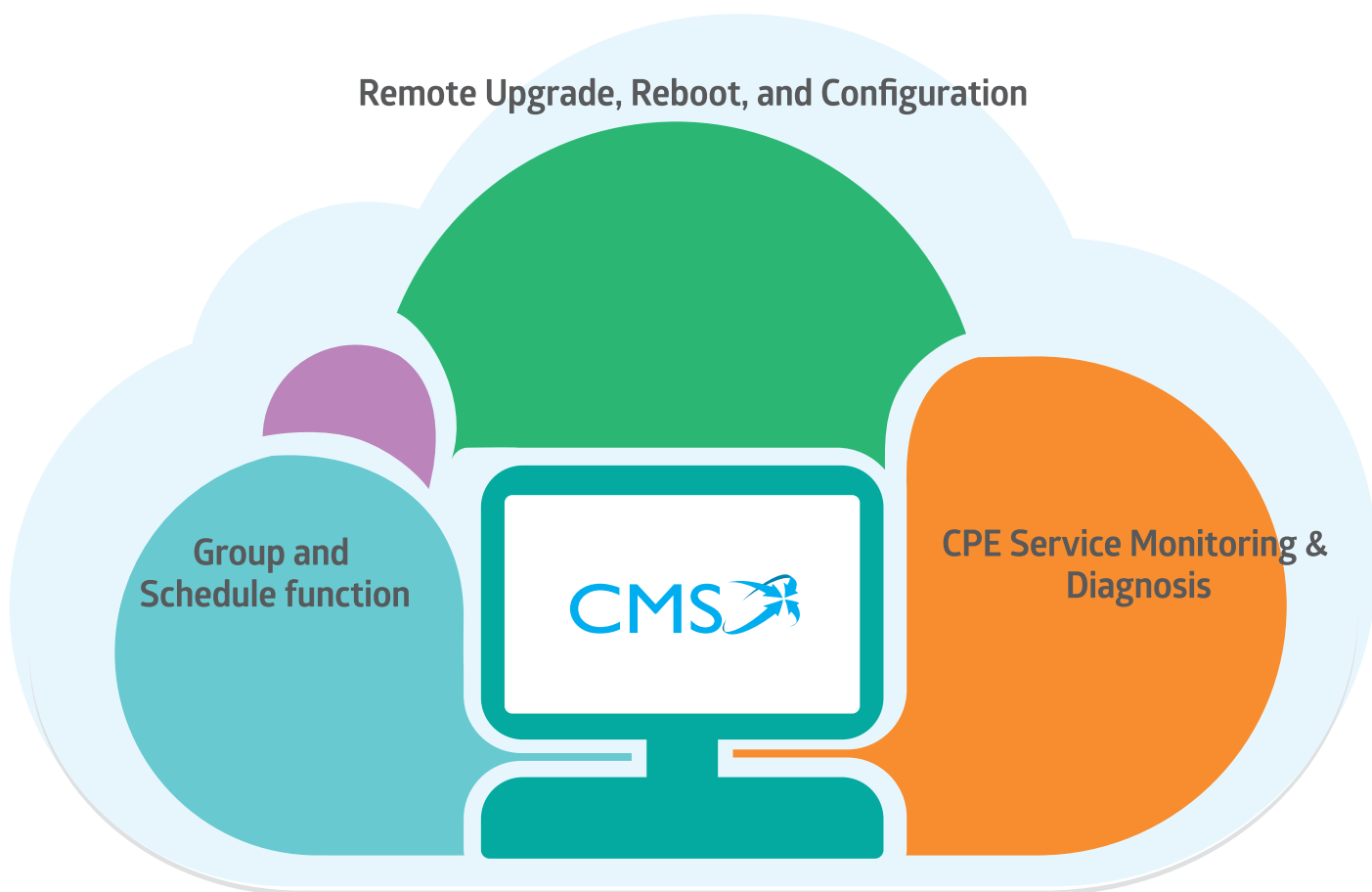


CMS (Central Management Solution)



AirPro CMS, a central management platform, is designed for service provider and system integrator to remotely control and manage AirPro 4G LTE routers enabling users to minimize deployment, lower supporting service expenses and maximize operational efficiency.

Remote Upgrade, Reboot, and Configuration



Quick Product Overview

Indoor 4G LTE Failover 11N Wireless Router

AP-4100



- 3G/4G LTE SIM embedded
- Dual WAN ports- 3G/4G LTE and FE Ethernet WAN (EWAN) for broadband Failover backup connectivity
- 1* FE WAN and 3* FE LAN
- IPv6 ready
- Wireless 802.11b/g/n 300mbps
- Support AirPro CMS

Indoor 4G LTE Failover 11N Wireless VPN Router

AP-LT4505N (VPN)



- 3G/4G LTE SIM embedded
- Dual WAN ports- 3G/4G LTE and Gigabit Ethernet WAN (EWAN) for broadband Failover backup connectivity
- 1* Gigabit WAN and 4* Gigabit LAN
- Embedded IPSec, PPTP and L2TP VPN endpoint/server with powerful encryption and GRE
- IPv6 ready
- 1*USB port for storage / NAS – SAMBA server, FTP server
- Wireless 802.11b/g/n 300mbps
- Support AirPro CMS

Indoor 4G LTE Router 11N Wireless

AP-LT4525AN (Dual SIM / VPN)



- 3G/4G LTE SIM embedded
- Dual WAN ports- 3G/4G LTE and Gigabit Ethernet WAN (EWAN) for broadband Failover backup connectivity
- 1* Gigabit WAN and 4* Gigabit LAN
- Embedded IPSec, PPTP and L2TP VPN endpoint/server with powerful encryption and GRE
- IPv6 ready
- 1*USB port for storage / NAS – SAMBA server, FTP server
- Wireless 802.11b/g/n 300mbps
- Support AirPro CMS

Quick Product Overview

Advanced Industrial 4G/LTE Router AP-LT100



- Offers 4G/LTE and/or Ethernet IP broadband connectivity (3G Fallback is optional).
- Automatic failover for network resilience and reliable connectivity.
- Embedded GPS option for real-time asset tracking and location data-based application (option).
- Local and Remote management via Web GUI, SNMP or CWMP(TR-069).
- Dual-WAN Interfaces
- Auto fail-over and fallback
- Supports DHCP server/client/relay
- Supports port-based Virtual LAN (VLAN)

4G/LTE Industrial/In-Vehicle Multi-Carrier Router AP-LT500



- Offers 4G/LTE and/or Ethernet IP broadband connectivity (3G Fallback is optional).
- Multi-WAN Interfaces : Dual Sim/Dual Radio and EWAN for network resilience and reliable connectivity.
- Embedded GPS option for real-time asset tracking and location data-based application (option).
- Local and Remote management via Web GUI, SNMP or CWMP(TR-069).
- Dual-WAN Interfaces
- Auto fail-over and fallback
- Supports DHCP server/client/relay
- Supports port-based Virtual LAN (VLAN)

Outdoor 4G LTE Failover (VPN) Router

AP-5700EU



- 4G LTE SIM Embedded
- 1*Gigabit LAN
- MIMO antenna for maximum bandwidth and service coverage Embedded directional & Optimize antenna design per band.
- Lightweight and compact design
- Easily installed by single person
- Supports power over Ethernet (PoE)
- RF design technology
- Dual –polarization antenna technology ensure faster and efficient bi-directional transmission
- Designed for challenging /rugged deployments
- IP67 hardened enclosure with industrial–grade components
- Operating temperature -40C to 60C (-40F to 140F)
- Precise alignment achievable with multi-angle, multi-position pole mount brackets
- IPSec, PPTP, L2TP, and GRE support with powerful encryption (VPN model only)
- Support AirPro CMS system

Outdoor 4G LTE Failover 11AC Wireless (VPN) Router

AP-5700EUW



- 4G LTE SIM Embedded
- 1*Gigabit LAN
- MIMO antenna for maximum bandwidth and service coverage Embedded directional & Optimize antenna design per band.
- Lightweight and compact design
- Easily installed by single person
- Supports power over Ethernet (PoE)
- RF design technology
- Dual –polarization antenna technology ensure faster and efficient bi-directional transmission
- Designed for challenging /rugged deployments
- IP67 hardened enclosure with industrial–grade components
- Operating temperature -40C to 60C (-40F to 140F)
- Precise alignment achievable with multi-angel, multi-position pole mount brackets
- IPSec, PPTP, L2TP, and GRE support with powerful encryption (VPN model only)
- Support AirPro CMS system

About AirPro

AirPro Technology Ltd. was established in 2006 by a group of highly motivated individuals having a rich experience in providing high class networking solutions. AirPro has its in-house R&D unit which specializes in design, development and customization of wired and wireless solutions, esp. for large scale Telecom industries. AirPro has built its credibility over the last 8 years with its best-in-class quality products which have high performance and are extremely user-friendly.

AirPro Products and Solutions



Wireless Internet Service Provider

The Wireless Internet Service Provider System (WISP) is an integrated Metropolitan Area Network (MAN) system of connecting customers to the Internet. High-speed wireless datalinks are used to provide Internet access on a point-to-point and point-to-multipoint basis, for companies, governmental organizations, schools, universities and other institutions having Local Area Networks (LAN).



Point to Point Link

The Point to Point Link is ideal for Government, municipalities, operators and wireless ISPs that are deploying city hot zones. It can also be used for connecting remote office buildings. Designed as an integrated system that is easy to install and requires no external outdoor casing, cables and other accessories, it is a cost-effective solution for wireless projects. The Point to Point Link can function as a broadband backbone for hotspots, outdoor coverage access points and DSL switches.



Hotspot (Wi-Fi)

A hotspot is any location where Wi-Fi broadband network access is made publicly available through a WLAN. Hotspots are often located in heavily populated places and typically have a short range of access.

Hotspots are often found at restaurants, train stations, airports, libraries, coffee shops, bookstores, fuel stations, department stores, supermarkets and other public places. Many universities and schools have wireless networks in their campus.



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