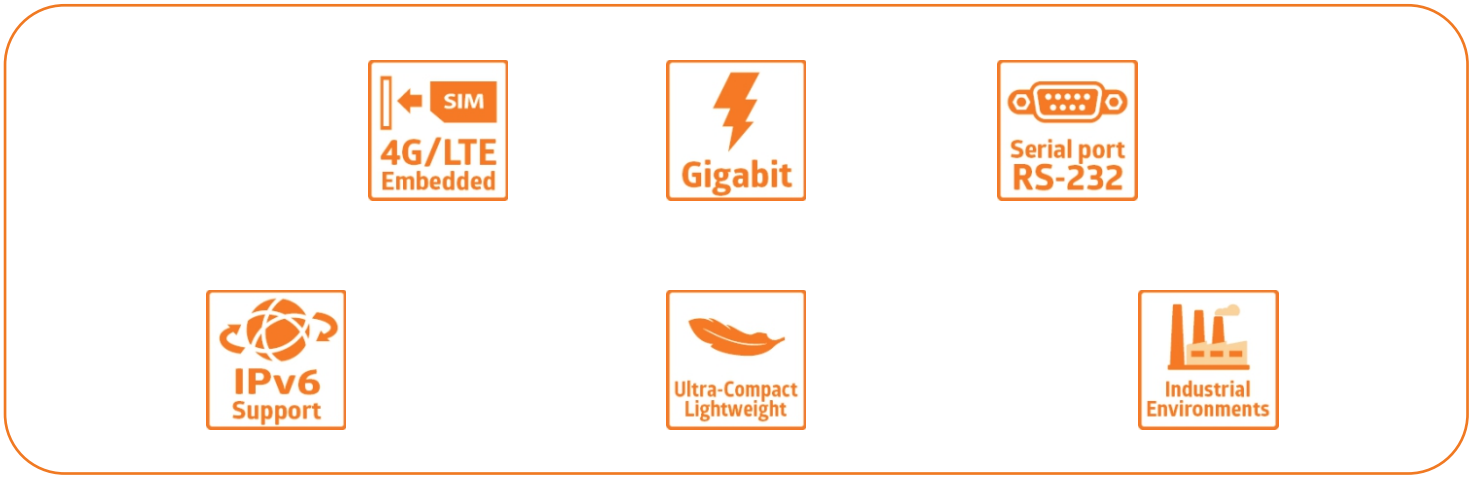
DATASHEET
AP-LT100

Advanced Industrial 4G/LTE Router

Simple | Secure | Trusted

PRODUCT OVERVIEW

The AirPro AP-LT100 Advanced Industrial 4G/LTE Router is a high performance fixed wireless platform enabling real-time 4G Cellular data connectivity for your existing serial devices and Ethernet network. The LT100 provides a reliable and cost-effective alternative solution for business continuity. The platform can served as the primary connection or backup connection when wired connections fail, are unavailable or non-existent.



High performance & reliability and easy to manage and access:-

- Offers 4G/LTE and/or Ethernet IP broadband connectivity (3G Fallback is optional)
- Automatic failover for network resilience and reliable connectivity
- Option GPS for real-time asset tracking and location data-based application
- Local and Remote management via Web GUI, SNMP or CWMP(TR-069)

Serial Port (DB-9 female):-

- RS-232
- Supports Modbus/TCP, Telnet Server, SSH Server, UDP Server/ Client, TCP Server/ Client

Ultra-Compact and Lightweight Design:-

- Small form factor M2M with affordable price
- Fits in the palm on your hand
- Simplified deployments, easily mounted discretely anywhere

Designed for Industrial Environments:-

- Hardened enclosure with Industrial-graded components
- Extended Temperature Range
- Flexible Input Voltage selection
- UL Class 1, Division 2 Certified

Ideal Solution for:-

- Digital signage, Remote surveillance, Vending Machines, Retail Point-of-Sales (PoS), Remote patient care/maintenance services, SCADA

KEY FEATURES AND HIGHLIGHTS

High Availability and Network Resilience:-

The LT100 features two Gigabit Ethernet interfaces and a RS-232 Serial interface enabling wireless data connectivity for a broad range of applications and vertical machine-to-machine (M2M) market segments. Intelligent software supports configurable LAN/WAN options, and enterprise level functionality such as: SPI firewall, Quality of Service (QoS), auto failover for unparalleled uptime and network redundancy.

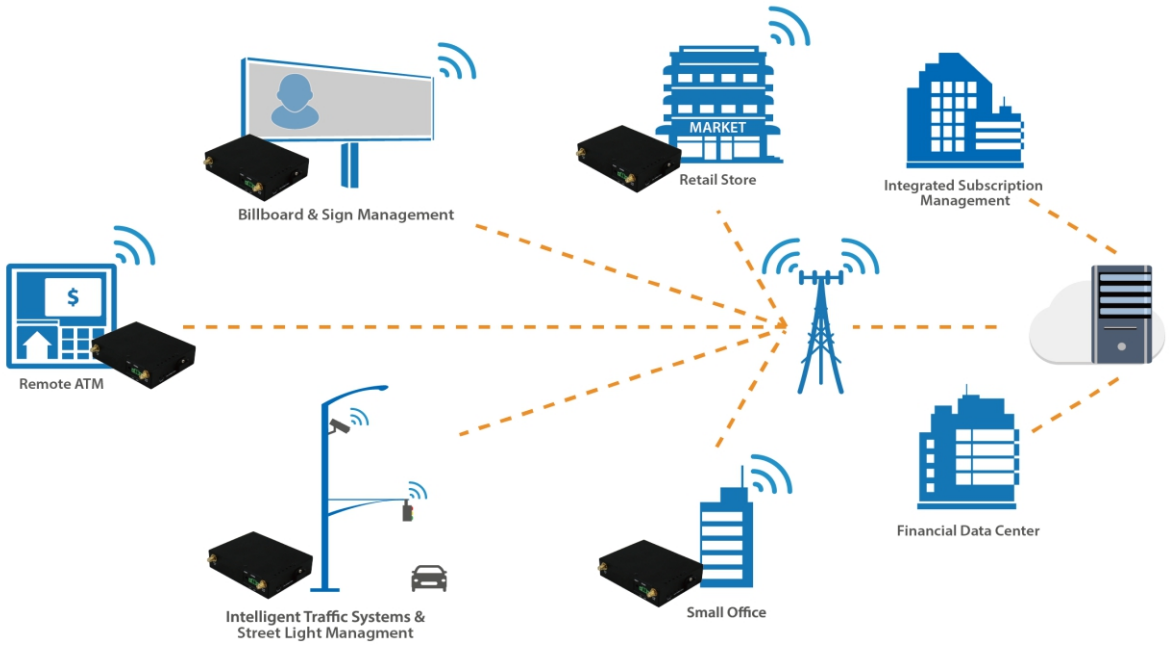
Designed for Industrial Environments:-

The LT100 passed UL Class 1 D2 certification, purpose-built for continuous operation in harsh environments, the LT100 supports an extended operating temperature range from-20 to 60º C (-4 to 140º F) and a flexible input voltage range of 9-56V DC making it suitable for diverse environments and applications. To enable simple, reliable and efficient integration the ultra-compact, lightweight and low profile design incorporates highly flexible mounting options to ensure that the device and can be easily mounted discretely anywhere.

PRODUCT SPECIFICATIONS

Item	*AP-LT100*
Availability and Resilience	*Dual-WAN Interfaces (LTE, GbE WAN)*
*Embedded 4G/LTE*1*	*Embedded high performance 4G/LTE module*
	• *Supported frequency bands: (4G/LTE)* *LTE-FDD: B1, B3, B5, B7, B8, B20* *LTE-TDD: B38, B40, B41* • *Supported data rate: (4G/LTE)* *LTE-FDD: Max 150Mbps/ 50Mbps (DL/ UL)* *LTE-TDD: Max 130Mbps/ 35Mbps (DL/ UL)* • *Downlink MIMO support*
Network Protocols and Features	• *Dual WAN Failover/ Failback* • *Dual WAN Load Balancing* • *IPv4, IPv6, IPv4/IPv6 dual stack*2* • *Dual APN*2* • *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*
Virtual Private Network (VPN)	• *IPSec* • *PPTP* • *L2TP* • *GRE* • *OpenVPN*
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*
Serial Port (RS-232)	• *DB-9 female* • *RS-232* • *Modbus/TCP, Telnet Server, SSH Server,* *UDP Server/ Client, TCP Server/ Client*
Global Navigation Satellite System (GNSS)	• *GPS (and/or GLONASS) system*
Management	• *Password protection for system management* • *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* • *Remote System Log monitoring* • *Scheduling Auto-Reboot* • *Physical layer/protocol diagnostic test tool*
Hardware Specifications *Physical Interface*	• *WAN: 4G/LTE (and/or GbE WAN option)* • *Serial Port (DB-9 female): one (1) port* • *Ethernet LAN: 2-port 10/100/1000Mbps auto-crossover (MDI/ MDI-X) switch* • *SIM Card: one (1) slot* • *Reset Button* • *Power Connector: 2-pin connector* • *LED Indicators* • *Antenna:* *- 4G/LTE: two (2) detachable antennas* *- GPS: one (1) detachable antenna(option*3)*
Power Specifications	• *Input: DC 9V~56V*
Physical Specifications	• *Dimensions: 4.29"(W) x 1.17"(H) x 3.43"(D) (109mm x 29.7 mm x 87 mm)*
Operating Requirements	• *Operating: -20°C to 60°C (-4°F to 140°F)* • *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. The support for GPS and/or GLONASS functions depends on the equipped module's capabilities.
4. Specifications in this datasheet are subject to change without prior notice.



Air Pro

www.airpronetworks.com