

WL-5530™

with WIFI



WL-5530™ Standard Features

- Secure broadband LTE performance, with robust always-on connectivity
- WLAN connectivity to smart devices with GPS for situational awareness
- Cloud-ready for fast deployments and easy configuration with DeviceOutlook
- Multi-function, Cellular WAN, WLAN, multi-port Ethernet and I/O in one package
- Ruggedized design for a long service life
- Open Developer Platform for custom applications to facilitate data-driven responsiveness
- Full array of I/O and serial ports for SCADA and industrial applications

One Rugged Device. Cloud Ready. Application enabled.

The WL5530 offers an all-in-one mobile communications solution for industrial, utility, transportation and enterprise applications. This multi-function cellular router features high-speed, secure LTE broadband wireless connectivity in a rugged industrial design, with optional WiFi and high-precision GPS for mobile applications.

Fast & Secure

The WL5530 offers the fastest cellular broadband technology integrated with extensive routing capability, delivering robust connectivity and secure high speed data transfer for a broad array of devices and applications. This ready-to-deploy broadband router enables wireless data connectivity for up to two LANs and one serial device over public cellular networks at 4G speeds with strong, Enterprise-grade security (IPSec, VPN, WPA-2) to protect against external threats.

Flexible

Wireless Logic's vehicle-grade router support a true vehicle area network, where the vehicle is enabled as a secure digital hub with a WiFi access point or client and precision GPS. Wireless Logic's proven Smart Vehicle Technology enables advanced vehicle telematics applications. The internal accelerometer and optional vehicle bus integration, delivers a flexible vehicle solution that can be used to access vehicle parameters, enable crash notifications, driver behavior, and predictive maintenance alerts.

The WL5530 provides reliable connectivity for Programmable Logic Controllers (PLCs), Remote Terminal Units (RTUs) and any other Ethernet or serial device. This single, flexible platform addresses a variety of wireless communications needs with serial to IP conversion (RS232/485), over-the-air configuration and system monitoring to reduce operating and support costs.

With a straightforward interface and the powerful DeviceOutlook device management platform, this widely-deployed wireless solution delivers effective performance and rich, field-proven software capabilities out of the box. To extend the WL5530 capabilities even further, OEMs and developers can create custom applications, using PEG and ODP to customize solutions.

Technical Specifications

General Features

Input Voltage 9 to 32 VDC
TX Power @ 13.8 VDC 350 mA (500 mA Mobile SKU)
RX Power @ 13.8 VDC 130 mA (240 mA Mobile SKU)
Diversity Support Rx Diversity
Security IPsec, GRE Tunneling, PPTP VPN RADIUS Client
Router MAC Filtering, DMZ, Dynamic DNS
Device Management SNMP, HTTP embedded web server
Certifications Military Specs, Hazardous Env., UL Class I, Div II

Connectors / Interface

LED Indicators RSSI, SVC, NET, GPS, AUX
Power 4-pin locking connector
Ethernet Dual 10/100 Mbps RJ-45, auto MDIX, auto-negotiate and activity LED
Serial EIA-232F DE9 Female DCE, up to 115Kbps
I/O 7 digital inputs, 5 digital outputs, 4 analog inputs, 2 1-wire bus interfaces
Primary Antenna 50 Ohm SMA Female
RX Diversity Antenna 50 Ohm SMA Female
GPS Antenna 50 Ohm SMA Female (optional)
WLAN/WPAN Antenna 50 Ohm RP-SMA Female (optional)

Mechanical / Environmental

Dimensions 4.5 (L)x6.0 (W)x1.9 (H) in, 11.4x15.2x4.8 cm
Weight 2.5lb, 1.13 kg
Temperature Range -30° to +70° C, -22° to +158° F
Humidity 5% to 95% non-condensing

Technology Bands LTE/CDMA Model

LTE CAT 3
 Dual-Band 700/1700 MHz
 Downlink 100 Mbps; Uplink 50 Mbps
EVDO/CDMA 1x
 MHz Cellular/1900 MHz PCS
 EVDO Downlink 3.1 Mbps; Uplink 1.8 Mbps

Technology Bands LTE/HSPA Model

LTE CAT 3
 Quad-band 700/850/AWS(1700/2100)/1900 MHz
 Downlink 100 Mbps; Uplink 50 Mbps
UMTS/HSPA
 Downlink 7.2 Mbps, Uplink 2.0 Mbps
EDGE/GPRS
 Quad-band 850/900/1800/1900 MHz
 Downlink 236 kbps, Uplink 236 kbps

WLAN Technology / Bands

WLAN 802.11 b/g/n
 2412-2462 MHz