G930 Industrial 5G Router

Ultra-Reliable Low-Latency Communication

WLINK WL-G930 is an industrial 5G router designed to provide secure and reliable remote connectivity for assets utilizing cellular networks. Its global version supports nearly all mainstream carriers worldwide, offering customers unparalleled flexibility in carrier selection across different regions.

Engineered for harsh environments, the WL-G930 enables seamless wireless communication for M2M applications, including:

- Connected vehicles and autonomous systems
- Immersive entertainment platforms
- Cloud robotics and remote machine control
- eHealth solutions
- Industrial automation (SCADA, RTUs, PLCs, remote I/O)
- Security systems and industrial sensors

This advanced 5G router specifically addresses emerging IoT market segments, supporting Enhanced Mobile Broadband (eMBB), Ultra-Reliable Low-Latency Communications (URLLC) and Fixed Wireless Access (FWA). For example, AR/VR applications demand both high bandwidth and ultra-low latency, while automotive applications primarily require reliable low-latency communication.

The WL-G930 represents a transformative solution for industries, businesses, and user experiences. Discover how to maximize your 5G investment and capitalize on the opportunities of this technological revolution.

Ultra speed | Unbreakable | High performance | Low Latency

Incredible Speed

Experience blazing-fast 5G mobile broadband internet with groundbreaking download speeds of up to 4Gbps.

Industrial-Grade Compact Design with Superior Performance

The fan-free design, robust housing, and wide operating temperature range (-30°C to 75°C) ensure exceptional durability. It is resilient against strong magnetic interference and features dual power supplies for redundancy, isolated input, and a wide voltage range (7.5 V DC to 32 V DC) for reliable performance in demanding environments.

Extensive Interfaces for Flexible Expansion

The G930 features a wide range of interfaces, including Gigabit Ethernet, RS-232, RS-485, USB, and DI/DO ports. It supports IP-based PLC communication with IPv6 compatibility and offers plug-and-play functionality for seamless integration. Additionally, GPS tracking and expandable storage options are available to further enhance its capabilities.

Ultra-Low Latency & Enhanced Network Capacity

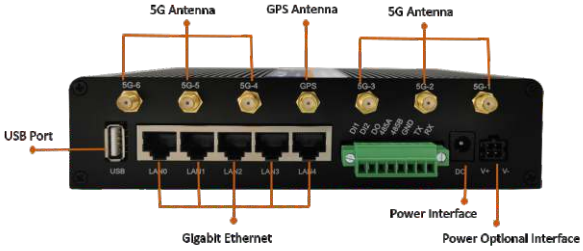
5G's revolutionary ultra-low latency — measured as the near-instantaneous transmission time between devices and servers — enables real-time responsiveness. Combined with advanced Massive MIMO technology, this innovation dramatically improves link reliability, delivers spectrum-efficient capacity expansion, and achieves industry-leading energy efficiency.

Secure and Reliable Network

The G930 supports advanced security features to ensure robust and dependable communications. Key functionalities include DMVPN, OpenVPN, IPsec IKEv1/IKEv2, L2TPv3, NAT, port forwarding, stateful firewall, packet filtering, data encryption, and Access Control List (ACL). These features work together to provide a secure network environment, safeguarding data and maintaining reliable connectivity.

Cloud-Based Platform Management

G930 can be managed through a cloud-based platform, offering simplified setup, centralized configuration, and comprehensive network analysis for large-scale deployments. This platform enables operators to remotely monitor and manage all routers, track Wi-Fi user status, update configuration files, access detailed statistics, perform firmware upgrades, and manage advertisement updates—all from a single interface.



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HOT APPLICATION

SPECIFICATION

Hardware

Cellular	• 5G: n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/40/41/48/66/71/75/76/77/78/79 • LTE: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71/34/38/39/40/41/42/48/46 • UMTS: B1/2/4/5/6/8/19	Hardware System	• MIPS Dual-core 880MHz • 256Mb Flash, 2GB DDR3 RAM • Hardware Watchdog • 8-256GB Storage Optional
Interface	• 5x Gigabit Ethernet (4x LAN, 1X LAN/1x WAN Configurable) • 2x SIM Slot • 8Pins Terminal block connector • 3x I/O • 1x RS232 • 1xRS485 • 1x DC(5.5mm) • 1x DC(4Pins plugs) • 1x USB • 6x SMA-K(Female) 5G Antenna Interface • 1x GPS Antenna Interface • 4x SMA-RP Wi-Fi Interface	GPS(Optional)	• GPS Sensitivity: -160dBm • GPS Accuracy: 2.5m CEP • Update Rate: 1Hz@5Hz • Time to First Fix: Cold Status 27s, Hot status 1s. • Protocol: NMEA-0183 2.3V
LED Indicator	• NET • WLAN • PWD • WTD • LAN	Wi-Fi	• IEEE 802.11 n/ac
Consumption	• Voltage: DC +7.5~36V DC (standard 12V/2A power adapter) • SIM/R-UIM Card: 3V • Idle: 500mA@+12VDC • Online : 900mA@+12VDC	Other	• Galvanized metal with grounding Screw • Dimension: 179mm x 124mm x 43mm (not including antenna) • Weight: 610g (not including accessories) • Operation temperature: -30~+75℃ • Storage temperature: -40~+85℃ • Relative humidity: 0~95% (non-condensing) • Guarantee: one year

Software

Operating System	• WLINK OS based Linux	Firewall	• IP Filter • Mac Filter • Domain name Filter
Network Protocol	• IPv4, IPv6(Optional) • PPPoE • UDP/TCP/ICMP/NTP/DHCP • /Modbus TCP • HTTP/HTTPS • UPNP • SNMP • TR069	Network Monitoring	• ICMP Check • Traffic Check • Traceroute • Data Capture • Bandwidth Graph • Data Traffic Graph
VPN	• PPTP/L2TP • GRE • IPSec • OpenVPN	Network Features	• 5G/WAN Failover • VLAN • Bandwidth Management • NAT/DMZ • IP Passthrough/Port Redirection • Static/Dynamic routing
Router Management	• Local/Remote GUI • Telnet/SSH • WLINK M2M Platform	WLAN	• 2.4G • 5G • 2.4G&5G Mixed

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