G930 Industrial 5G Router

Ultra-Reliable Low-Latency Communication

5G represents the 5th generation mobile networks and it would replace 4G LTE mainly due to the prominence that the Internet of Things technology is going to get in the near future.

WLINK WL-G930 is an Industrial 5G router offering secure and reliable remote connectivity to deployed assets that utilize cellular carrier networks. The global version WL-G930 nearly covers all the main stream carriers worldwide, this gives customers the flexibility to choose from a host of carries that serve different location.

Ideal for harsh environments, WL-G930 router provide easy wireless communication for the M2M application including connected vehicles, immersive entertainment, cloud robotics, machine remote control, eHealth, SCADA servers, RTUs, PLCs, remote I/O and other Ethernet and serial connected devices such as security cameras or industrial sensors.

The 5G Router also targets IoT as new market segment including eMBB (Enhanced Mobile Broadband), uRLLC and FWA use cases. For instance, AR/VR requires both high bandwidths and extremely low latency, while most of automotive use cases only require low latency and high reliability.

The 5G router will be extraordinary - for every industry, every business and every experience. Explore how to monetize your 5G investment and capture the opportunities of this new era.

Ultra speed | Unbreakable | High performance | Low Latency

Incredible Speed

5G blazing fast Mobile Broadband Internet, delivering ground-breaking download speeds up to 4Gbps.

Multi-network, Extensive Interfaces, Enabling Flexible Expansion

Support 5G NSA/SA, backward compatibility with LTE, WCDMA

Multiple interfaces, including dual power supply interfaces, GE, RS-232, RS-485, USB and DI/DO. IP-based PLC communication, with support for IPv6, and plug-and-play terminals.

Secure and Reliable Network

Support robust security features, such as PPTP/L2TP, OpenVPN, IPsec, NAT, port forwarding, a stateful firewall and packet filtering, data encryption, Access Control List (ACL) and provide secure, reliable communications.

Low latency, increased capacity

Low Latency is a major advancement of 5G.

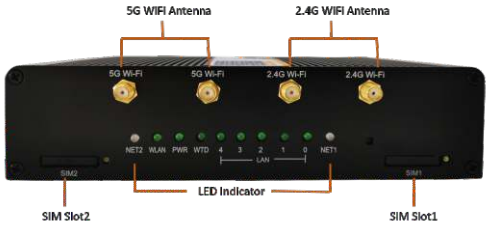
It basically means how long a data packet needs to travel from device or from mobile to server.

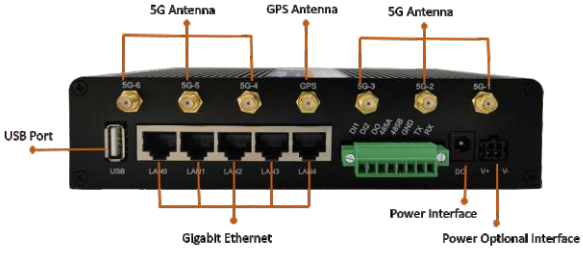
Massive MIMO can help boost link quality and reliability, and increase capacity w/o requiring more spectrum as well as superior energy efficiency.

High-Quality, Industrial-Grade Design

Fan-free design, Robust housing and a wide operating temperature range (–35 to 70 degree).

Resilient against strong magnetic interference. Dual power supplies for redundancy, isolated input, and a wide voltage range (7.5 V DC to 36 V DC)





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HOT APPLICATION

SPECIFICATION

Hardware

Cellular	• 5G N1/2/3/5/7/8/12/20/28/38/40/41/66/71/77/78/79 • LTE-A/LTE • HSPA/UMTS	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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