Over View

WLINK WL-G920 4G+/4G/3G OpenWRT router is the internet of thing mobile cellular router and a machine to machine (M2M) industrial cellular router, which can works on 4G+/4G/3G cellular network to provide reliable, secure and high speed wireless connectivity for remote management, telemetry, condition monitoring, CCTV, ATMs, vending machine and other M2M/IoT applications. Using the Dual-core CPU basic frequency 880 MHZ, wireless support 802.11 n/ac, highest , Perfect compatible OpenWRT third parties firmware, meet customer secondary development.

WLINK WL-G920 4G+/4G/3G OpenWrt router is based on the OpenWRT trunk system, which is configured using a web interface (LuCI). Customers can be allowed to customize WL-G920 series router to fit any application from the selection and configuration by WLINK provided.

Industrial Grade

OpenWRT OS

Daul-core CPU

Gigabit Ethernet

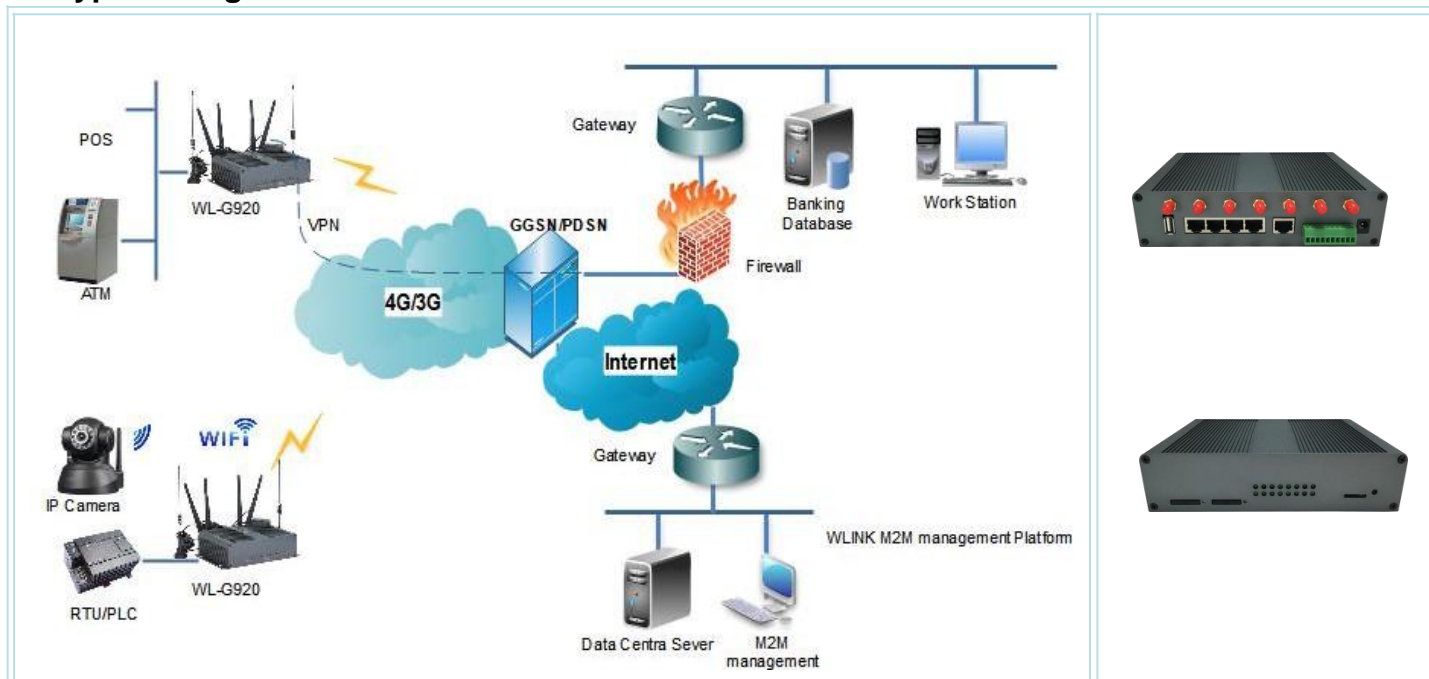2.4G&5G Wi-Fi

4G MIMO

Power Anti-reverse

Basic Features

◎ Industrial robust design and compact metal housing, heat endurance and radiation abillity

◎ High data speed via 4G+/4G/3G network

◎ Strong electromagnetic interference Resistance

◎ Support DIN-Rail Mounting for industrial

◎ Built-in watch dog, Multi-link detection

◎ Dual-band 802.1n/ac Wi-Fi support, 1.3Gbps data rate

◎ 2x Digital Input(DI), 1x Digital Output (DO), suit for I/O communication

◎ MIMO antenna for 4G+/4G

◎ MIPS Dual-core 880MHz CPU.

◎ Standard equipped with Dual SIM Single Module for Failover or Backup between two network

◎ Always online, reboot automatically if disconnected to ensure continual connection

◎ SPI Nor Flash - 16MB

◎ Supports extra USB/TF card storage
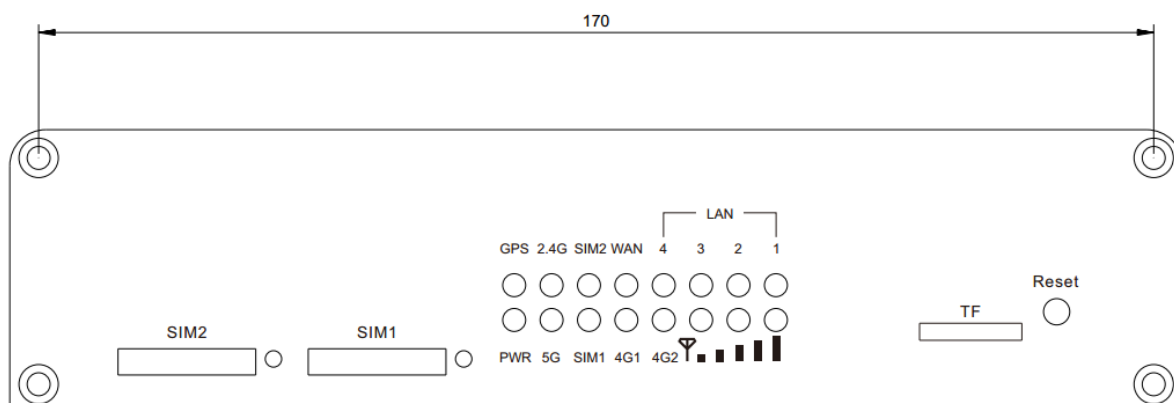
◎ Shock and vibration resistant

Typical Application

Energy	Digital Oil Field, Coal Mine, Solar, Smart Grid,
Utilities	Smart City, Traffic, Street lighting, Public Safety & Security, 4G Public hot spot, Environment monitoring, Video Surveillance
Industrial	Remote Telemetry, Tanking Monitoring, Automation, Remote PLC, Remote AMR, Remote Monitoring and control
Retail	ATM, POS(Point-of-Sale), Vending Machine, Lottery Machine, Branch network, Digital Signage, Video Surveillance, failover between WAN&4G/3G
Transportation	Bus Wi-Fi, Wi-Fi on Board, Vehicle video surveillance, Fleet tracking and management, Bus Advertising

Typical Diagram

Shenzhen Wlink Technology Co., LTD
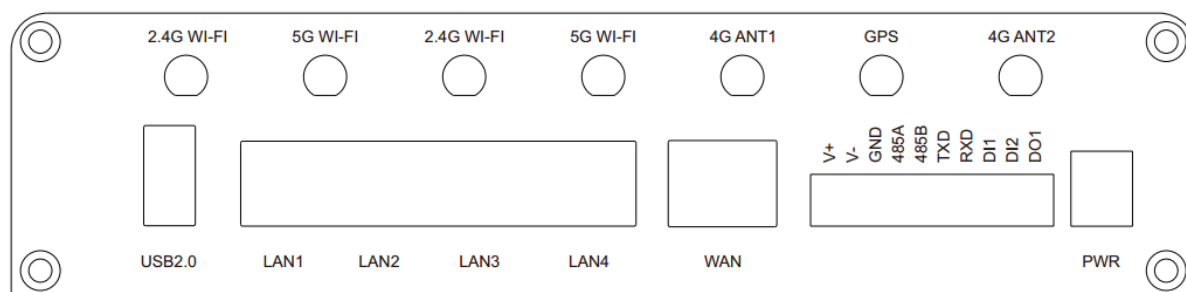深圳市德传物联技术有限公司

G920 Interface

Front Panel

Back Panel：

Specification

Optional Supports Mobile Network	◎ LTE-A/LTE ◎ DC-HSPA+/HSPA+/HSPA/WCDMA/UMTS	Ethernet Standard	◎IEEE 802.3 ◎IEEE 802.3u ◎IEEE802.3ab
Interface	◎5 x Gigabit Ethernet ◎1 x RS-232 ◎1 x RS485 ◎3 x Digital I/O(input/output) ◎3 x SMA-K antenna interface ◎4 x SMA-J antenna interface ◎2 x Standard SIM/R-UIM interface ◎1 x TF interface ◎1 x Expansion USB 2.0 ◎1 x DC Terminal block Power connector	LED instruction	◎PWR ◎WLAN(2.4G, 5G) ◎GPS ◎4G(4G1,4G2) ◎Signal ◎LAN (LAN1~LAN4) ◎WAN
Power Consumption	Power Communications: Operate 500mA@+12VDC, Idle: 240mA@+12VDC	Power supply	◎7.5~32VDC
Wi-Fi	◎Standard: IEEE 802.11N/802.11AC ◎WEP, WPA and WPA2 encryption ◎Standard 1.3Gbps ◎AP, Client, station, bridge mode support	Other	◎Dimension: 179mm x 124mm x 43mm (not including antenna) ◎Weight: 600g ◎Operation temperature: -30~+70℃ ◎Store temperature: -40~+85℃ ◎Related humidity: <95% (non-condensing) ◎Guarantee: one year