

## Over View

WLINK WL-R200 series Router is the internet of thing mobile broadband router and a machine to machine (M2M) industrial cellular router, which can optional works on the 4G or 3G cellular network to provide reliable, secure and high speed wireless connectivity with VPN security supported. It is powerful and programmable industrial mobile router with high performance and harden casing design for remote management, telemetry, condition monitoring, CCTV, ATMs, vending machine and other M2M applications.

WL-R200 4G router is an ideal wireless data transfer device for applications transferring large data load because of ultimately fast transfer speed in 4G network reaching up to 150M download and up to 50M upload. VPN features also can be configured in WLINK router, allowing you to utilize virtual private network service through a 4G/3G wireless router and built for stresses and workload of a modern industrial or commercial environment.

Its compact small size design, enable WL-R200 Router easy to be embedded into other equipment or system. With optional GPS capability, enable the router ideal for fleet tracking or access management.

The WL-R200 with Ethernet capability, also come with a serial RS232 port for communication via serial port.



### Benefit For Cellular Router

Avoid fixed-line trouble

Cost-effective, 30% saving

Rapid Deployment

Flexible placement

Security and Reliability

Return on Invest

## Basic Features

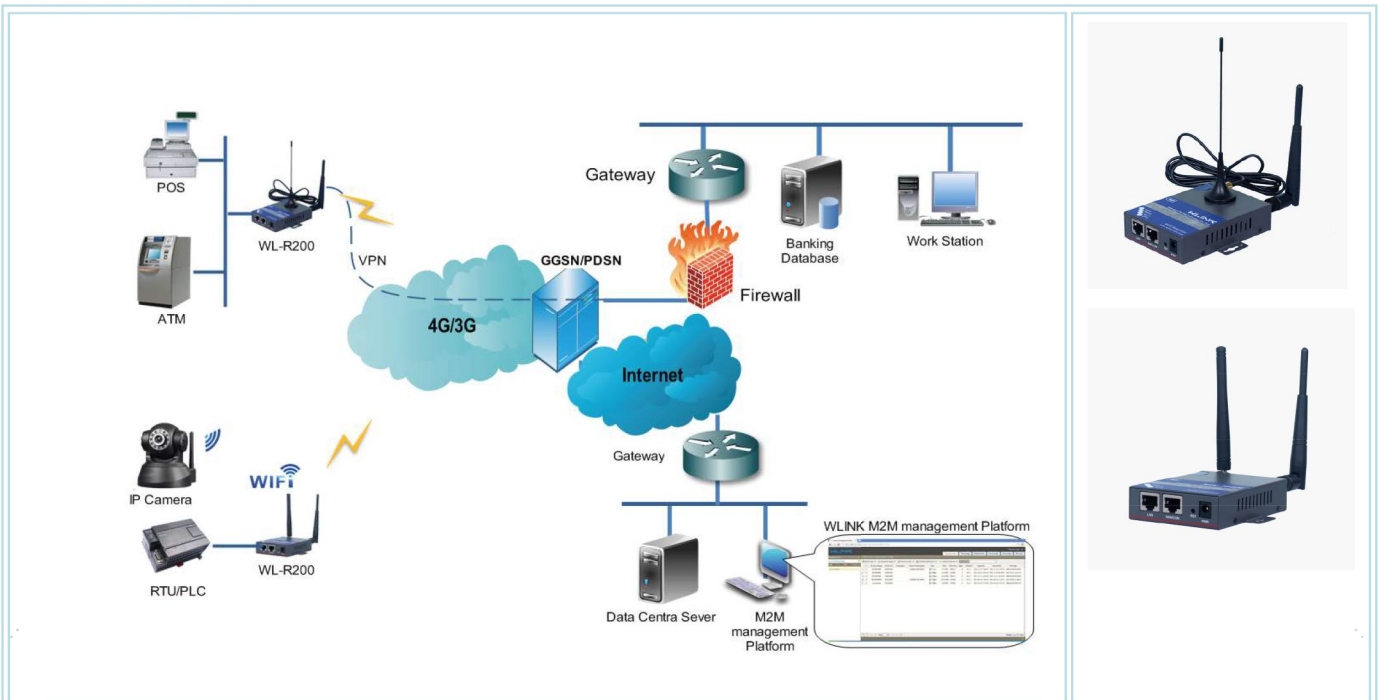
- ⊙ Industrial robust design and compact metal housing
- ⊙ High data speed via FDD 4G or 3G network, 2.5G backward compatible
- ⊙ Strong electromagnetic interference Resistance
- ⊙ Heat endurance and radiation ability
- ⊙ Built-in watch dog, Multi-link detection
- ⊙ Ultra security, VPN: PPTP, L2TP, GPE, IPsec
- ⊙ High Reliability: Hardware link self-recovery
- ⊙ MIMO antenna for 4G
- ⊙ WAN port support PPPoE, static IP, DHCP client.
- ⊙ Failover or Backup between WAN and Cellular
- ⊙ Always online, reboot automatically if disconnected to ensure continual connection

- ⊙ Support APN and VPDN wireless private network access in
- ⊙ LCP/ICMP/flow/heartbeat check, ensure network usability
- ⊙ Web/CLI/SSH/Management platform support, easy configure
- ⊙ SNMP network management, NTP support
- ⊙ Local & remote management (configuration, status, upgrade firmware)
- ⊙ Supports DHCP Server
- ⊙ Supports DNS proxy and Dynamic DNS (DDNS)
- ⊙ Supports timing operation
- ⊙ Supports LED status indication
- ⊙ Shock and vibration resistant

## Optional Features

- ⊙ Optional Network Type includes FDD/TDD 4G, DC-HSPA+/HSPA+/HSPA/UMTS/WCDMA 3G, EVDO 3G
- ⊙ GPS capability optional for fleet management or other tracking application
- ⊙ DTU serial communication function optional
- ⊙ M2M Management platform software optional available
- ⊙ Optional Support WiFi, 802.11 b/g/n, 150Mbps
- ⊙ OpenVPN Optional
- ⊙ Captive Portal for WiFi hotspot application Optional
- ⊙ PPTP Sever optional
- ⊙ Schedule reboot optional
- ⊙ Customized acceptable

## Typical Diagram and Application



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

<b>Specification</b>															
<b>Optional Mobile Network</b>	<ul style="list-style-type: none"> <li>◎ FDD / TDD 4G</li> <li>◎ DC-HSPA+/HSPA+/HSPA/WCDMA/UMTS 3G</li> <li>◎ EDGE/GPRS 2.5G</li> <li>◎ CDMA2000 EVDO/CDMA 1X</li> </ul>	<b>Ethernet Standard</b>	<ul style="list-style-type: none"> <li>◎ IEEE 802.3</li> <li>◎ IEEE 802.3u</li> </ul>												
<b>Interface</b>	<ul style="list-style-type: none"> <li>◎ 2×10/100Mb LAN interface</li> <li>◎ 1x LAN, 1xWAN (optional)</li> <li>◎ 1× RS-232 console port(optional)</li> <li>◎ 2× SMA-K antenna interface</li> <li>◎ 1× Standard SIM/R-UIM interface</li> <li>◎ 1× Standard DC power interface</li> </ul>	<b>LED instruction</b>	<ul style="list-style-type: none"> <li>◎ Net</li> <li>◎ WLAN</li> <li>◎ WAN</li> <li>◎ LAN</li> </ul>												
<b>Route protocol</b>	<ul style="list-style-type: none"> <li>◎ Static route</li> <li>◎ RIPv2/OSPF dynamic route</li> </ul>	<b>Power supply</b>	<ul style="list-style-type: none"> <li>◎ 5 - 32VDC</li> </ul>												
<b>Device management</b>	<ul style="list-style-type: none"> <li>◎ Local or remote web browser (IE v8 or above)</li> <li>◎ CLI/Telnet command</li> <li>◎ M2M management platform (optional)</li> <li>◎ SSH configure (optional)</li> </ul>	<b>WiFi</b>	<ul style="list-style-type: none"> <li>◎ Standard: IEEE 802.11b/g/n</li> <li>◎ WEP, WPA and WPA2 encryption</li> <li>◎ Standard 150Mbps, 300Mbps optional</li> <li>◎ AP, Client, station, bridge mode support</li> </ul>												
<b>Firewall &amp; Filter</b>	<ul style="list-style-type: none"> <li>◎ IP packet/Domain/MAC filter</li> <li>◎ NAT</li> <li>◎ DMZ</li> </ul>	<b>VPN</b>	<ul style="list-style-type: none"> <li>◎ IPSec</li> <li>◎ PPTP/L2TP client</li> <li>◎ GRE/IPIP</li> </ul>												
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>◎ Idle: 165mA@+12VDC</li> <li>◎ Online (Without WiFi): 195mA@+12VDC</li> <li>    (with WiFi) 235mA@+12VDC</li> </ul>	<b>Other</b>	<ul style="list-style-type: none"> <li>◎ Dimension: 103mm x 73.5mm x 25.5mm (not including antenna)</li> <li>◎ Weight: 300g</li> <li>◎ Operation temperature: -30~+70 °C</li> <li>◎ Store temperature: -40~+85 °C</li> <li>◎ Related humidity: &lt;95% (non-condensing)</li> <li>◎ Guarantee: one year</li> </ul>												
<b>Standard</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">EN 300 328 v 1.7.1 (2016-11)</td> <td style="width: 50%;">EN 301 489-17</td> </tr> <tr> <td>EN 301 489-1</td> <td>EN 301 511</td> </tr> <tr> <td>EN 301 908-1</td> <td>EN 301 908-13,</td> </tr> <tr> <td>EN 55022:2010/AC:2011</td> <td>EN 60950-1,</td> </tr> <tr> <td>EN 55024:2010</td> <td>EN 61000-3-2</td> </tr> <tr> <td>EN 61000-3-3:2008</td> <td>EN 62311:2008</td> </tr> </table>	EN 300 328 v 1.7.1 (2016-11)	EN 301 489-17	EN 301 489-1	EN 301 511	EN 301 908-1	EN 301 908-13,	EN 55022:2010/AC:2011	EN 60950-1,	EN 55024:2010	EN 61000-3-2	EN 61000-3-3:2008	EN 62311:2008	<b>Approval</b>	<ul style="list-style-type: none"> <li>CE</li> <li>RoHS</li> <li>CCC</li> </ul>
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EN 55024:2010	EN 61000-3-2														
EN 61000-3-3:2008	EN 62311:2008														

## Partial Order Number List

Model	4G	3G	Interface	WiFi	GPS	DL	UL
WL-R200LFX	FDD: B1/B3//B7/B8/B20/B28A TDD: B38/B40/B41	HSPA+ B1/B8	2xLAN or 1xLAN,1xWAN			FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LFX-w	FDD: B1/B3//B7/B8/B20/B28A TDD: B38/B40/B41	HSPA+ B1/B8	2xLAN or 1xLAN,1xWAN	✓		FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LFX-g	FDD: B1/B3//B7/B8/B20/B28A TDD: B38/B40/B41	HSPA+ B1/B8	2xLAN or 1xLAN,1xWAN		✓	FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LF	FDD: B1/B3/B5/B7/B8/B20 TDD: B38/B40/B41	HSPA+ B1/B5/B8	2xLAN or 1xLAN,1xWAN			FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LF-w	FDD: B1/B3/B5/B7/B8/B20 TDD: B38/B40/B41	HSPA+ B1/B5/B8	2xLAN or 1xLAN,1xWAN	✓		FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LF-g	FDD: B1/B3/B5/B7/B8/B20 TDD: B38/B40/B41	HSPA+ B1/B5/B8	2xLAN or 1xLAN,1xWAN		✓	FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LF1	FDD: B1/B2/B3/B4/B5/B7/B8/B28 TDD: B38	HSPA+ B1/B2/B5/B8	2xLAN or 1xLAN,1xWAN			FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LF1-w	FDD: B1/B2/B3/B4/B5/B7/B8/B28 TDD: B40	HSPA+ B1/B2/B5/B8	2xLAN or 1xLAN,1xWAN	✓		FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LF1-g	FDD: B1/B2/B3/B4/B5/B7/B8/B28 TDD: B40	HSPA+ B1/B2/B5/B8	2xLAN or 1xLAN,1xWAN		✓	FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LF2	FDD: B2/B4/B5/B12/B13/B14/B6/B71	HSPA+ B2/B4/B5	2xLAN or 1xLAN,1xWAN			150M	50M
WL-R200LF2-w	FDD: B2/B4/B5/B12/B13/B1/B66/B71	HSPA+ B2/B4/B5	2xLAN or 1xLAN,1xWAN	✓		150M	50M
WL-R200LF2-g	FDD: B2/B4/B5/B12/B13/B14B66/B71	HSPA+ B2/B4/B5	2xLAN or 1xLAN,1xWAN		✓	150M	50M
WL-R200LG	LTE: BB1/B2/B3/B4/B5/B7/B12/B13/B18/B19 /B20/B25/B26/B28/B38/B39/B40/B41	HSPA+ B1/B2/B3/B4/B5/B6/B8/19	2xLAN or 1xLAN,1xWAN			FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LG-w	LTE: BB1/B2/B3/B4/B5/B7/B12/B13/B18/B19 /B20/B25/B26/B28/B38/B39/B40/B41	HSPA+ B1/B2/B3/B4/B5/B6/B8/19	2xLAN or 1xLAN,1xWAN	✓		FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200LG-g	LTE: BB1/B2/B3/B4/B5/B7/B12/B13/B18/B19 /B20/B25/B26/B28/B38/B39/B40/B41	HSPA+ B1/B2/B3/B4/B5/B6/B8/19	2xLAN or 1xLAN,1xWAN		✓	FDD:150M TDD:60M	FDD:50M TDD:35M
WL-R200H2	N/A	HSPA+ B1/B2/B5/B8	2xLAN or 1xLAN,1xWAN			21M	5.76M
WL-R200H2-w	N/A	HSPA+ B1/B2/B5/B8	2xLAN or 1xLAN,1xWAN	✓		21M	5.76M
WL-R200H2-g	N/A	HSPA+ B1/B2/B5/B8	2xLAN or 1xLAN,1xWAN		✓	21M	5.76M
WL-R200H4	N/A	HSPA+ B1/B8	2xLAN or 1xLAN,1xWAN			21M	5.76M
WL-R200H4-w	N/A	HSPA+ B1/B8	2xLAN or 1xLAN,1xWAN	✓		21M	5.76M
WL-R200H4-g	N/A	HSPA+ B1/B8	2xLAN or 1xLAN,1xWAN		✓	21M	5.76M

- Note:
1. If request other frequency band model, please consult wink sale person
  2. Please specify before order if need OpneWRT or OpenVPN
  3. Please sepcify when order if request other optional features