



# 4G/5G Industrial Wireless Router

Model: LBT-T300

Version: PRO1-CN-5GA-W5-S1-RS485&RS232

## Product Introduction

The 4G industrial-grade wireless router is a high-performance wireless communication product developed by Shenzhen LINBLE Technology Co., Ltd. based on the requirements of 4G/5G networks. It is mainly used for industrial users' data transmission services, supporting functions such as transparent data transmission, image transmission, device monitoring and wireless routing for Internet access.

4G industrial-grade wireless routers, with embedded high-performance cpus, effortlessly handle advanced applications such as routing and security, and can be paired with multiple 4G/5G industrial communication modules (TDD-LTE/FDD-LTE networks). It provides 10/100M Ethernet ports, WIFI wireless interfaces, and serial ports. Compatible with a variety of terminal devices. Supports WEB configuration for easy and simple management, and supports remote cloud control.

Countries	4G/5G network solutions	Wireless network	Number of slots	Serial port Protocol	Custom content
CN= China Version EU= European version NA= North American version GL= Global Edition SA= South American version JP= Japanese version AU= Australian version	A= Domestic Q= Qualcomm V=4G private network R=Redcap H= hisilicon	W0= No WiFi W4=WiFi4 W5=WiFi5 W6=WiFi6	S1= Single card S2= Dual cards	RS232 RS485 TTL	DO POE GPS ESIM

Example: PRO1-CN-5GA-W5-S1-RS485&232; Version PRO1, China 5G domestic solution, single band WiFi5, single card, protocol RS485&232, no customization

Note: Some versions do not allow customization of the above content.

## Hardware parameters

Product size	149.3*126*46mm(L×W×H)
Power Supply	DC Power Supply: 7 - 35V / 1A
GPS	Customizable GNSS positioning module, supporting RTK technology, and capable of using a variety of satellite systems (GPS, GLONASS, Beidou, WAAS, EGNOS, MSAS, GAGAN) as a mixed engine.
External interface	Reset key: 1 Indicator lights: 6 Antenna interface: 2-13 (optional) SIM card slot: 1 Power: 4-pin 2.5mm industrial DC power socket, 2.1mm x 5.5mm center pin DC jack
Protection grade	RS232 & RS485 interface: 1 (3.5mm 6-pin EDGK socket, supports standard RS485 and RS232 serial protocols) LAN ports: 5 (LAN1 is WAN/LAN adaptive), 3kV lightning protection (customizable), POE input (customizable) Protection rating: IP30
Indicator light	LINK, SYS, WAN/LAN1 to LAN2
Antenna	SMA external rotating inner hole
Storage memory	Storage :8MB, memory: 64MB
Authentication	CE, FCC, CCC
Power consumption (current)	4G: less than 400 mA 5G: less than 800mA
Operating temperature Humidity	Operating temperature: -20 to +70 ° C Storage temperature: -40 to +80 ° C Humidity: 5 to 95% (non-condensing)

## Product packaging size/weight

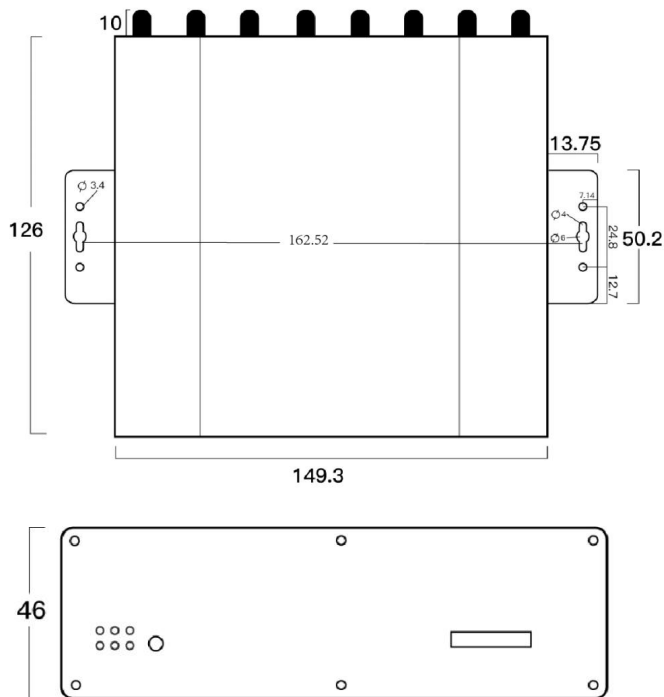
Product weight (g)	552g
Product dimensions (mm)	149.3*126*46mm
Packaging size (cm)	22*22*12cm
Product packaging weight (kg)	1kg
Outer box dimensions (cm)	71.3*44.3*26.8cm
Container weight estimate (kg)	22kg

Official website: <https://www.libtor.com/>

## Feature Data

Basic functions	Internet access protocol: 4G/5G dial-up DHCP/Static/PPPoE dial-up/WiFi relay Supported number of users: Wired: 253, Wireless: 60 WiFi protocol: IEEE802.11b/g/n/ac Network functions: NAT, DNAT, DMZ, port forwarding Port protocols: MODBUS, MODBUS slave station, MQTT gateway														
VPN	OpenVPN Client、IPSecVPN Client、PPTPVPN Client、L2TPVPN Client														
Working frequency band	2412-2472MHz、5180-5825Mhz														
WiFi transmission rate / data	Transmission rate: 1201 Mbps (MAX) (Theoretical maximum value) WiFi data: 2.4G speed: 300 Mbps (MAX) 2.4G power: 14 dB (±2 dBm +) 5.8G speed: 867 Mbps (MAX) 5.8G power: 12 dB (±2 dBm +)														
Firmware customization	Operating System: Linux operating system based on OpenWrt Supported languages: BusyBOS shell, Lua, C, C++ Development tools: Provide SDK packages with built-in environments and contact us for custom development based on requirements documentation														
WLAN Security Consultative	OpenSystem, WPA-PSK, WPA2-PSK, WPAPSK/WPA2 PSK, WPA1 / WPA2														
System Services	Virtual servers, port triggers, serial port services, firewalls, MAC filtering, access control, port blocking, regional Settings, factory reset, NTP server Settings, backup system information, software upgrades, remote management														
Operating system Browser Requirements	System :Windows XP/VISTA, Linux 2.6, Windows 7 , MAC OS: 1 0.3.7 ; Browser :IE:6.0 Safari:1.2.4 Firefox:2.0.0.8														
Device Management	<table border="1"> <tr> <td>WEB UI</td> <td>HTTP/HTTPS, status, configuration, local firmware updates, troubleshooting, Syslog</td> </tr> <tr> <td>FOTA upgrades</td> <td>Cloud platform server update</td> </tr> <tr> <td>SSH/TELNET</td> <td>SSH(v1,v2), telnet</td> </tr> <tr> <td>TR-069</td> <td>OpenACS, EasyCwm p, ACSLite, tGem, Libre ACS, Genie ACS, Free ACS, LibCWMP, Friendly tech(customizable)</td> </tr> <tr> <td>SNMP Network Management</td> <td>SNMP(v1, v2, v3)(customizable)</td> </tr> <tr> <td>Remote Interface Protocol</td> <td>API management based on HTTP/HTTPS (customizable)</td> </tr> <tr> <td>MODBUS</td> <td>MODBUS TCP Status/Control (customizable)</td> </tr> </table>	WEB UI	HTTP/HTTPS, status, configuration, local firmware updates, troubleshooting, Syslog	FOTA upgrades	Cloud platform server update	SSH/TELNET	SSH(v1,v2), telnet	TR-069	OpenACS, EasyCwm p, ACSLite, tGem, Libre ACS, Genie ACS, Free ACS, LibCWMP, Friendly tech(customizable)	SNMP Network Management	SNMP(v1, v2, v3)(customizable)	Remote Interface Protocol	API management based on HTTP/HTTPS (customizable)	MODBUS	MODBUS TCP Status/Control (customizable)
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## ○ Housing positioning holes



## ○ Optional frequency bands

4G band	<p>CN: FDD-LTE B1/3/5/8 TDD-LTE B38/39/40/41 EU: FDD-LTE B1/3/5/7/8/20 TDD-LTE B38/39/40/41 AU: FDD-LTE B1/3/5/7/8/20/28 TDD-LTE B38/40/41 NA: FDD-LTE B2/3/4/5/7/8/12/13/17/25/26/66 TDD-LTE B41 SA: FDD-LTE B2/4/5/7/8/28 TDD-LTE B40 J: FDD-LTE B1/3/8/18/19/26 TDD-LTE 41 GL: FDD-LTE B1/2/3/4/5/7/8/17/20/28 TDD-LTE B38/39/40/41</p>
5G band (Optional)	<p>CN: 5G NR NSA: N41/78/79 5G NR SA: N1/8/28/41/78/79 LTE-FDD B1/3/5/8 LTE-TDD: B34/38/39/40/41 EA: 5G SA&amp;NSA: N1/3/5/7/8/20/28/38/40/41/71/77/78/79 LTE-FDD: B1/3/5/7/8/18/19/20/28/32 LTE-TDD: B34/38/39/40/41/42 GL5G NR SA: n1/2/3/5/7/8/12/20/25/28/38/40/41/48/66/71/77/78/79 5G NR NSA: n38/41/77/78/79 LTE-FDD: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71 LTE-TDD: B34/38/39/40/41/42/43/48</p>

## ○ Standard accessories



Power adapter \*1



2 m suction cup antenna -  
WiFi



2 m suction cup antenna -4G  
(Optional cabinet antenna, rubber stick  
antenna, etc.)



Certificate of conformity \*1