



LINBLE
力必拓

5G industrial router

LBT-T300-HW1

Product specification

Product overview

The 5G industrial router is an IOT gateway device that supports multiple Internet access (Ethernet/WIFI client/4G/5G) modes and multiple local data access (WIFI 2.4G/5.8G/Ethernet/RS232/RS485) full-stack intelligent protocols. The device is loaded with Wan communication, VPN tunnel, WIFI LAN, RS232/485 transparent transmission and other functions to realize seamless connection of wireless LAN, Ethernet, intelligent hardware and wireless Wan, providing users with high-speed, safe and reliable access services.

Support WEB configuration mode, convenient and simple management, and support remote cloud control.

Field of applicat



Electricity



Petroleum



Coal mine



Finance



Communication



Public security



Heat



Industrial Control



Weather



Water Conservancy



Traffic



Municipal



Product characte

1. 4G/5G, broadband, WIFI bridge access
- 2, wide voltage design: DC 6V-36V high voltage automatic power-off protection
IEEE 802.11 AC Dual-band 2 T2R mode Maximum Rate 867Mbps IEEE
802.11 B/G/n 2 T2R mode Maximum Rate 300Mbps
- 4, serial DTU data transmission, AT command interaction, support LED screen display remote control
5. Site control, port mapping, DMZ host and other functions
6. Support VPN, VPDN, PPTP Client and L2TP Client
- 7, automatic detection of network disconnection, automatic restart of dialing failure, timing restart and other functions
8. Wired connection, 4G/5G network backup, automatic detection, switching between wired and 4G/5G network
- 9, hardware and software watchdog anti-crash design, to ensure stable and reliable operation of equipment
10. Network port lightning protection 4KV
11. The dustproof and waterproof grade of the shell is IP66.

Functional overview

Software function

The way to surf the Internet	4/5G dial-up DHCP/Static IP/PPPoE
Number of users supported	Wired: 253, Wireless: 30
Operating system requirements	Windows XP/VISTA Linux 2.6 Windows 7 and above MAC OS: 10.3.7 and above
Browser requirements	IE: 6.0 and above Safari: 1.2.4 and above Firefox: 2.0.0.8 and above
Security management	Set up a firewall to prevent malicious attacks from the Internet on computers in the LAN. MAC filtering: prohibit MAC addresses that have been added. Access control: Control the access of computers in the LAN to the Internet. Port blocking: Block certain viruses from continuously initiating connections through a certain port to prevent Dos attacks
System Services	Virtual server: Set an internal server for Internet users to access DMZ: When the open port of the virtual server to be set is uncertain, it can be set as a DMZ host Port triggering: The wireless router can automatically open the inward service port according to the port of the LAN accessing the Internet. Serial port service: realize serial port data transmission, AT command control and other functions
Equipment management	Locale NTP server settings Back up system setup information Recover Settings Information from File the password and restore to the factory settings Software upgrade Remote management Restart Change
WLAN security mode	Open System WPA-PSK WPA2-PSK WPAPSK WPA2PSK (ie WPA-PSK and WPA2-PSK mixed mode) WPA1WPA2 (i.e. WPA and WPA2 mixed mode)

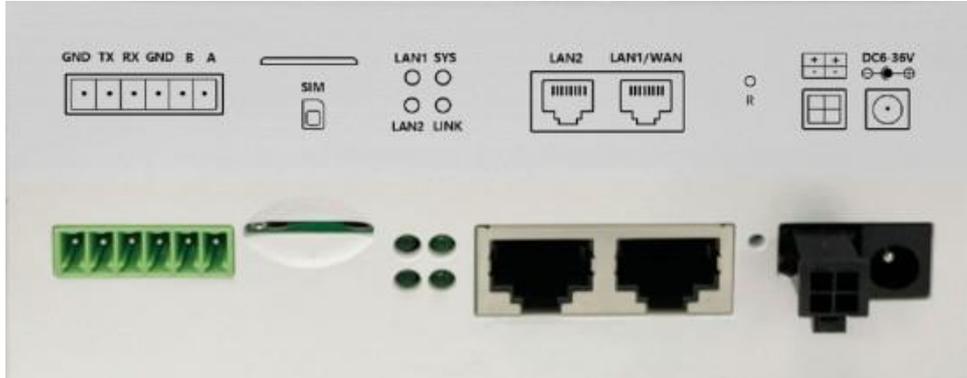
Hardware parameters

Wireless interface	IEEE802.11ac/b/g/n
Operating frequency band	2412-2472MHz/5180-5825Mhz
Antenna	IPEX Gen 1/Gen 4 (internal antenna)
WIFI transmission rate	1167Mbps (MAX)
External interface	LAN port: 2 (LAN1 (built-in) (WAN/LAN adaptive) RS232/485 interface: 1 interface: 1 SIM card slot: 1 Antenna interface: 8 Indicator light: 4 DC power supply Reset key: 1
WIFI data	802.11n: -66dBm at 300Mbps/14dB(±2dB) 802.11b: -86dBm at 11Mbps/14dB(±2dB) 802.11g: -73dBm at 54Mbps/14dB(±2dB) 802.11ac:-90dBm at 867Mbps/14dB(±2dB)
Frequency band supported (optional)	GN (Domestic-Qualcomm): Asia, Europe and Australia: 5G Sub-6: n1, n28, n41, n77, n78, n79 n1/3/5/8/20/28 /38/41/77/78 /79 LTE FDD: B1, B2, B3, B5, B7, B8, B1/3/5/7/8/19/20/28 LTE TDD: B34, B39, B40, B41 B38/40/41/42 /43 GN (Domestic-Zhanrui) 5G Sub-6: n1, n28, n41, n78, n79 LTE FDD: B1, B2, B3, B5, B7, B8, LTE TDD: B34, B38,B39, B40, B41
Main frequency of storage memory	Store 16 MB Main frequency: 880MHz Memory 128MB [on chip]
Overall dimensions	Length, width and height: 300 * 205 * 110mm (including installation of fixed hanger and hanging rod)
Power source	DC power supply: 6-36V/3A
Power consumption (current)	Less than 800mA
Work environment	Operating temperature: -30°C~+70°C Storage temperature:-40°C~+85°C Humidity:5%~95%, non-condensing

Interface description

Interface specification

Side A



1. Indicator light: LAN1/LAN2: wired network access indicator light, which is always on when the connection is normal and flashes when there is data traffic.

SYS lamp: it is always on after power on, and it flashes slowly when the system is started normally. Flash when the reset key is pressed.

LINK light: In 4G or WIFI bridging mode, it flashes when dialing (bridging AP), and it is always on after successful networking.

2. R (reset) key: press this key for 5 seconds in the power-on state, the SYS light will flash, and then restart, and the reset is successful.

3. SIM card slot: snap-in SIM card holder. If you need to take out the SIM card, gently push the SIM card.

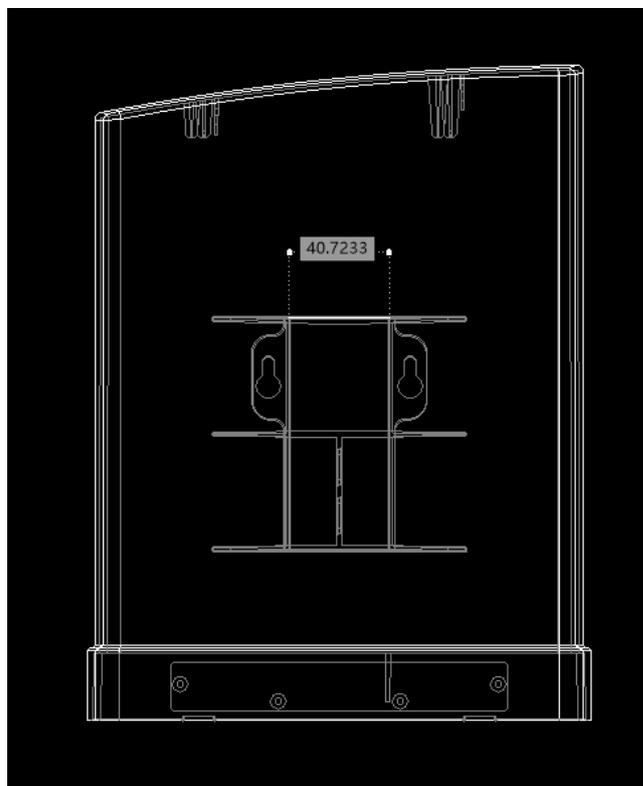
4. RS232/RS485 serial interface: 6Pin female terminal Edg 3.5.

5. LAN1/LAN2: RJ45 interface; In standard router mode, LAN1 can be used as a WAN port.

6. DC power interface/terminal power supply: 2.1mm round head power interface, positive inside and negative outside, voltage input:

6-36V, recommended input power is more than 10 W.

Schematic diagram of shell locating holes



The product images, videos, and screen content on the above pages are for illustration only. The actual product effect (including but not limited to appearance, color, size) and screen display content (including but not limited to background, UI, graphics, videos) may have slight differences. Please refer to the actual product.

The data on the above page are theoretical values, all from internal laboratories. In actual use, there may be slight differences due to individual differences in products, software versions, usage conditions, and environmental factors. Please refer to the actual use situation.

Due to the real-time changes in product batches and production supply factors, in order to provide as accurate product information, specification parameters, and product characteristics as possible, we may adjust and revise the text and image effects on the above pages in real time to match the actual product performance, specifications, indices, components, and other information. If it is necessary to make the above modifications and adjustments, no special notice will be given.

The manufacturer strives to ensure the accuracy of the information provided, but does not assume responsibility for any possible errors or omissions.