LINBLE 力必拓

4G industrial router

LBT-T300-T310A

Product specification

Product overview

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T310a industrial wireless router is a wireless communication product with excellent performance developed by Shenzhen Libiton Technology Co., Ltd. based on the demand of 4G network. It is mainly used in the data transmission business of industry users, supporting image transmission, equipment monitoring and routing Internet access.

The T310a features an embedded high-performance CPU that effortlessly handles routing, security,
Congruent advanced applications can be matched with a variety of 4G industrial communication modules (TDD-LTE/FDD-LTE networks). Provide 10/100M Ethernet port. A variety of terminal devices can be docked.

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

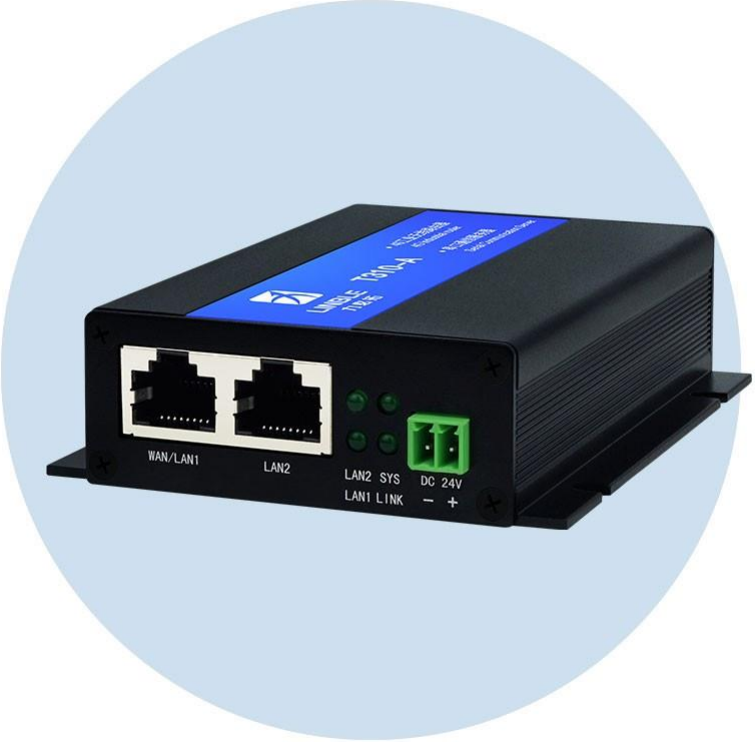
Industrial Control

Weather

Water Conservancy

Traffic

Municipal



Product characte

1. Ultra-small volume, length and width are only 97 mm × 78.2 mm × 25.1 mm;
2. industrial protection interface, easy to install;
3. Adopt metal shell with protection grade of IP30;
4. There is a router scheme;
5. Wired support 1 WAN or 1 LAN, 10M/100M adaptive;
6. Software and hardware watchdog anti-crash design, after the router is disconnected, it will automatically power off and restart to ensure stable and reliable operation of the equipment;
7. automatic detection of network disconnection, automatic restart of dialing failure, timing restart and other functions;
8. Port mapping, DMZ host and other functions;
9. Support VPN (PPTP Client, L2TP Client);

Functional overview

Software function

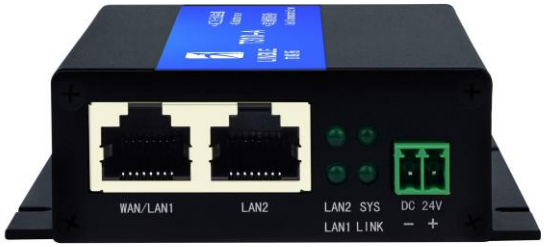
The way to surf the Internet	4G dial-up DHCP/Static IP/PPPoE
Number of users supported	Wired: 253
Operating system requirements	Windows XP/VISTA Linux 2.6 Windows 7 and above MAC OS: 10.3.7 and above
Browser requirements	IE: 6.0 and above Safari: 1.2.4 and above Firefox: 2.0.0.8 and above
Security management	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.
Equipment management	Locale Software upgrade NTP server settings Remote management Back up system setup information Restart Recover Settings Information from File Change the password and restore to the factory settings
VPN	L2tp Client PPTP Client

Hardware parameters

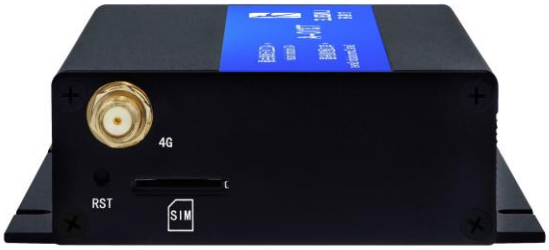
Antenna	SMA external rotation and internal hole
External interface	LAN port: 2 (LAN1 is (optional) (WAN/LAN adaptive) SIM card slot: 1 Antenna interface: 1-3 Indicator lamp: 4 DC power supply interface: Reset key: 1
Storage memory	Store 8 MB Memory 64MB
Overall dimensions	Length, width and height: 97 * 78.2 * 25.1mm (excluding antenna interface)
Power source	DC power supply: 12-24V/1A (power supply mode: optional DC/terminal) Power consumption (current): less than 400mA
Support frequency band	GN (Domestic-Default): FDD-LTE B1/3/5/8 TDD-LTE B38/39/40/41
Work environment	Operating temperature:-20℃~+70℃ Storage temperature:-40℃~+80℃ Humidity:5%~95%,non-condensing

Interface description

Side A,



Side B



Side A

1. LAN1/LAN2: RJ45 interface; In standard router mode, LAN1 can be used as a WAN port.
2. DC power interface: power supply mode: optional DC/terminal (2Pin female terminal Edg3.5mm). Adopt
3. 2.1mm round head power interface, positive inside and negative outside, voltage input of 12-24 V, recommended input power greater than 10W。
4. 3. 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.

Side B

1. 4G antenna interface: SMA external rotation and internal hole interface.
2. RST (reset) key: press this key for 5 seconds in the power-on state, the SYS lamp will flash, and then restart, and the reset is successful.
3. SIM card insertion: snap-in SIM card holder. If you need to take out the SIM card, gently push the SIM card.

Schematic diagram of shell locating holes

Schematic diagram of positioning hole of shell