LINBLE
力必拓

4G industrial router

LBT-T300-T280-8

Product specification

Product overview

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Industrial 4G wireless router is a wireless communication product with excellent performance developed by Shenzhen Libiton Technology Co., Ltd. for many data transmission needs. It is mainly used in data transmission business of industry users, transparent data transmission, image transmission, equipment monitoring and wireless routing Internet access.

The embedded high-performance CPU can handle routing effortlessly, and the single SIM card design can handle protocols and large amounts of data at high speed and stability, and can be matched with a variety of 4G industrial modules.

(WCDMA/EVDO/TD-SCDMA/TDD/FDD-LTE networks). Provide 10/100m Ethernet port, WIFI wireless interface and many other interfaces.

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

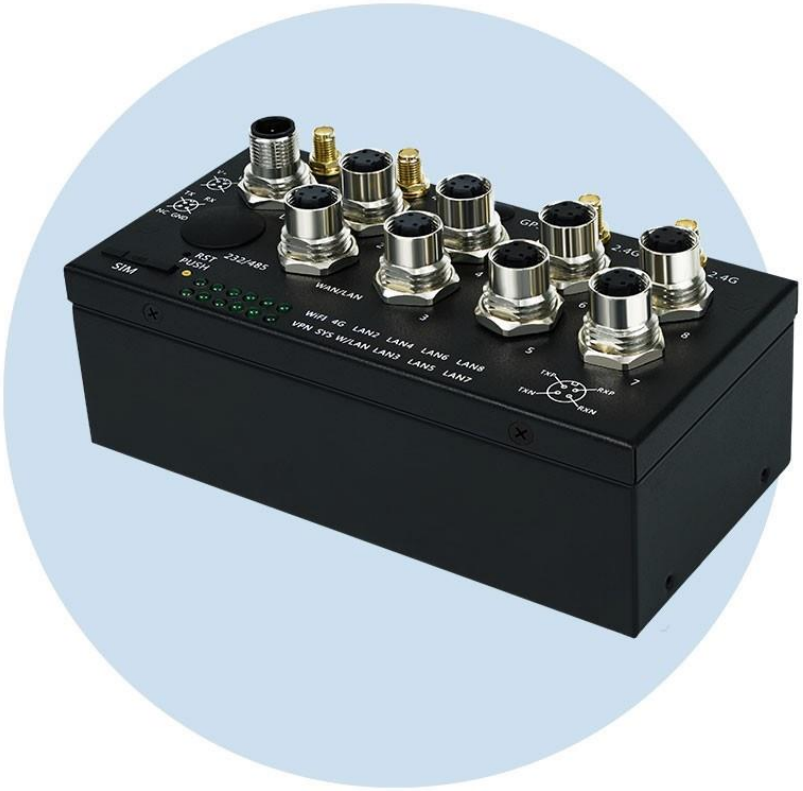
Industrial Control

Weather

Water Conservancy

Traffic

Municipal



Product characte

1. Adopt high-performance industrial wireless module;
2. Support (WCDMA/CDMA/TD-SCDMA) and 4G (FDD-LTE/TDD-LTE)
3. Adopt metal shell with protection grade of IP30;
4. Standard RJ45 (Ethernet) interface built-in lightning protection 3000V (non-standard configuration needs to be customized);
5. Wide voltage current input: DC6-36V/3A;
6. Support APN/VPDN network;
7. 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; 8, automatic detection of network disconnection, automatic restart of dialing failure, timing restart and other functions;
9. Serial port transparent transmission function. The command control mode can be entered through the serial port to control the router and ancillary equipment;
10. Support multiple DDNS dynamic domain name services;
11. Port mapping, DMZ host and other functions;
12. Support VPN (PPTP Client, L2TP Client);

Functional overview

Functions overview

Software function

The way to surf the Internet	4G 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 SMS service: The device can be controlled to dial, hang up and restart through SMS.
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
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)

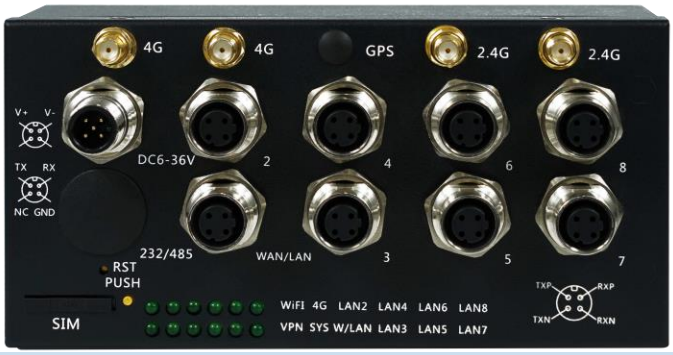
Hardware parameters

Wireless interface	IEEE802.11b/g/n
Operating frequency band	2400-2483.5MHz
Antenna	SMA external rotation and internal hole
WIFI transmission rate	300Mbps (MAX)
External interface	LAN port: 8 (LAN1 is WAN/LAN adaptive) RS232/485 interface: 1 SIM card slot: 1 Antenna interface: 1-5 (optional) Indicator light: 12 DC power supply interface: 1 Reset key: 1
WIFI data	802.11n: -66dBm at 300Mbps/HT40 MCS7 :+15.5dBm 802.11b: -86dBm at 11Mbps/CCK: +18 dBm 802.11g: -73dBm at 54Mbps/OFDM: +15.5dBm
Frequency band supported (optional)	GN (Domestic-Default): FDD-LTE B1/3/5/8 TDD-LTE B38/39/40/41 Europe FDD-LTE B1/3/5/7/8/20 TDD-LTE B38/39/40/41 North America (NA) FDD-LTE B2/3/4/5/7/8/12/13/17/25/26/66 TDD-LTE B41 Global FDD-LTE B1/2/3/4/5/7/8/17/20/28 TDD-LTE B38/39/40/41
Main frequency of storage memory	Store 8 MB Main frequency: 580MHz Memory 64MB
Overall dimensions	Length, width and height: 151 * 74.6 * 75mm (excluding installation of antenna interface/fixing piece)
Power source	DC power supply: 6-36V/3A
Power consumption (current)	Less than 400mA
Work environment	Operating temperature:-20℃~+70℃ Storage temperature:-50℃~+90℃ Humidity:5%~95%, non-condensing

Interface description

Interface specification

Sid



Side A

1. LAN1/LAN2: M12 aviation head; In standard router mode, LAN1 can be used as a WAN port.
2. DC power interface: M12 aviation head source interface.
3. 4G/WIFI antenna interface: SMA external rotation and internal hole interface.
4. Indicator light: LAN1/LAN2/LAN3/LAN4: 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 being powered on, and it flashes slowly when the system is started normally. Flash when the reset key is pressed.
4G light: In 4G or WIFI bridging mode, it flashes when dialing (bridging AP), and it is always on after successful networking.

VPN light: always on when using VPN;
WIFI light: it is always on after power on, and flashes when WiFi works normally; 5. 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.

6. RS232/RS485 serial interface: M12 aviation head (additional customization is required).
7. SIM card slot: Self-locking slot. Press the yellow button on the right, and the card holder will pop up.