4G industrial router
LBT-T300-T260S

Product specification

Product overview

    T260S 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 transparent data transmission, image transmission, equipment monitoring and wireless routing Internet access and other functions.

    T260S uses embedded high-performance CPU to handle advanced applications such as routing and security effortlessly, and can be matched with a variety of 4G industrial communication modules (TDD-LTE/FDD-LTE network). Provide 10/100M Ethernet port, WIFI wireless interface and serial 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. 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 (3000 V);

5, wide voltage current input: DC12-35 V/3A, withstand voltage 50 V Anti-reverse connection; Ultra-high voltage automatic power-off protection;

6. Anti-power reverse connection protection, anti-surge protection, ESD anti-static protection;

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

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
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 WPA2PSK (ie **WPA-PSK** WPA-PSK and **WPA2-PSK** WPA2-PSK mixed mode) **WPAPSK** WPA1WPA2 (i.e. WPA and WPA2 mixed mode)

Hardware parameters

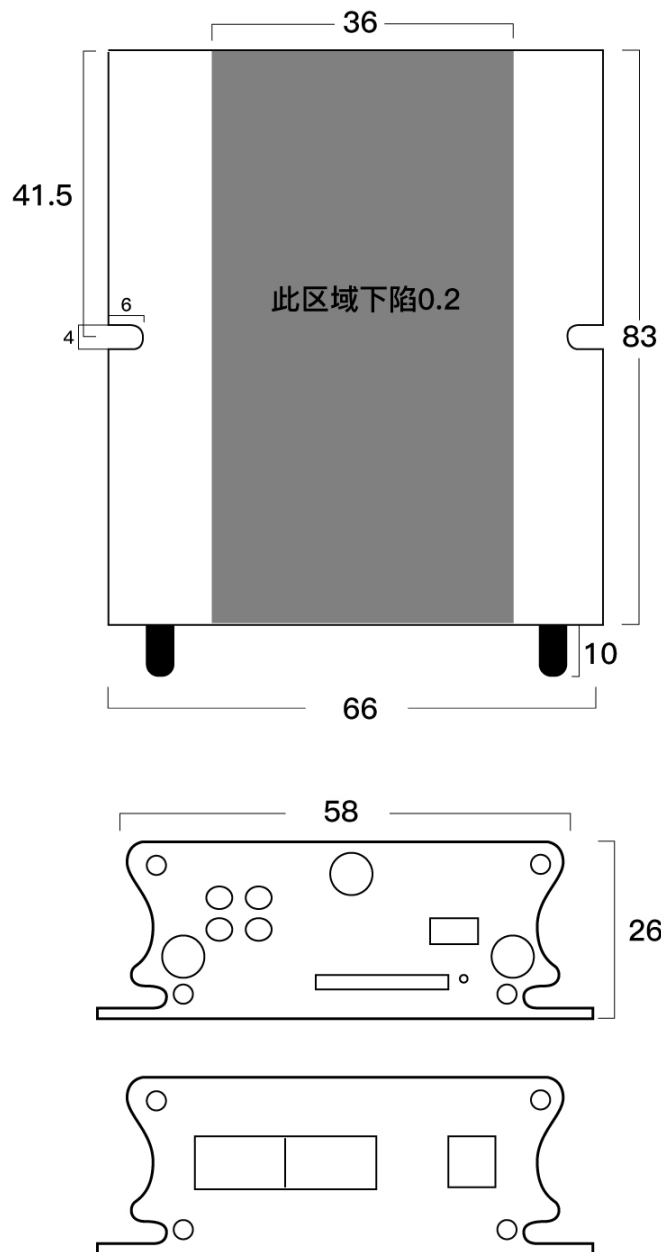|	
Wireless interface	IEEE802.11b/g/n
Operating frequency band	2400-2483.5MHz
Antenna	SMA external rotation and internal hole
WIFI transmission rate	150-300Mbps（MAX）
External interface	LAN port: 2 (LAN1 is Antenna interface: 1-3 (optional) (WAN/LAN adaptive) Indicator light: 4 RS232/485 interface: 1 DC power supply interface: 1 SIM card slot: 1 Reset key: 1
WIFI data	802.11n: -66dBm at 150-300Mbps/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
Storage memory	Store 8 MB Memory 32/64MB
Overall dimensions	Length, width and height: 83 * 66 * 26mm (excluding antenna interface/mounting hole)
Power source	DC power supply: 12-35V/1A
Power consumption (current)	Less than 400mA
Work environment	Operating temperature: -40℃~+80℃ Storage temperature:-50℃~+90℃ Humidity:5%~95%, non-condensing

Interface description
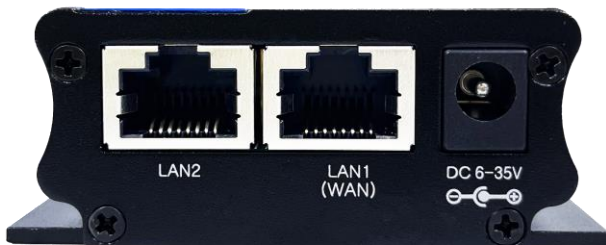
Side A

1. LAN1/LAN2: RJ45 interface; In standard router mode, LAN1 can be used as a WAN port.
2. DC power interface: 2.1mm round head power interface is adopted, with positive inside and negative outside. The voltage input is 6-35 V, and the recommended input power is more than 10 W.

Side B

1. 4G/WIFI antenna interface: SMA external rotation and internal hole interface.
2. 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.
3. R (reset) key: press this key for 5 seconds in the power-on state, the SYS light will flash quickly, and then restart, and the reset is successful.
4. RS232/RS485 serial interface: 2.0mm 4PIN connector, where the DC + power supply output (input) is positive and the output voltage is equal to the input voltage of the T260S. 5. SIM card slot: self-locking slot. Press the yellow button on the right, and the card holder will pop up.

Schematic diagram of shell locating holes

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