



T270 Series Router Specification

File Version

Confidential

1.5

T270 Series Router Technical Specification





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General

T260S series industrial grade wireless router communication products which are based on 3G and 4G internet requirements and developed by Shenzhen Libtor Technology co.ltd. They are mainly applied for data transmission of industrial users and support transparent data transmission, picture transmission , equipment monitoring and wireless router internet functions.

T260S use 32 bit processors , it can process protocols and a large amount of data in a high speed . It also can match with many types of industrial modules for 3G /4G internet .(3G:WCDMA/EVDO/TD-SCDMA, 4G:TD-LTE/FDD-LTE) .Providing 10/100M Ethernet network port ,WIFI wireless connector ,serial port ,USB connector for connecting many kinds of terminal equipments .

Supporting Web configuration , easy management and remote message control .

Application

Electronics, Oil industry, Mineral, Finance, Communication, Public security, Heating, Industrial control, Meteorology, Water conservancy, Public transportation, local council and so on .

1.Product Feature:

Shenzhen Libtor Technology Co.,Ltd

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Add:Room 608, Building A,Hongshengyuan Industrial Zone,No.339 Bulong Road, Bantian Street Office, Longgang District, Shenzhen City, Guangdong Province.

Web:<http://www.libtor.com> Tel: 86-755-28345166-807 Fax:86-755-28345166-804

Mail:lemon@szlbt.net



- ◆ Wide voltage and current input: DC6-35V/3A ; Auto power off when reach high voltage.
- ◆ Anti-reverse power connection protection,surge protection,ESD antistatic protction ;
- ◆ Software and hardware watch dog design , support anticrash functions.*protect equipment work stable and reliable* ;
- ◆ Automatic detection when network disconnects ;
uautomatically restart when dailing fails, scheduled reboot
- ◆ Serial transparents transmission function, It can access to order control mode by serial port , control router and other equipment .
- ◆ SMS contol dialing , offline and restart function, and obtain status information .
- ◆ Supporting Udisk, mobile hard disk storage .
- ◆ Supporting bluetooth,ZIGBEE,GPS, wireless module, Red ray functions (option)
- ◆ Supporting socket server and customer end mode.
- ◆ Supporting different types of DDNS service.
- ◆ Site control ,Port mapping ,DMZ host function
- ◆ Supporting VPN, PPTP client, L2TP client.
- ◆ Support ads pushing function by customer end verification

T270'S product code definition :[T270]-[A][1]

[270]:Product's code, Defaulted to support 3G/4G,WIFI, Storage, Serial Port.

[A]: Wireless Internet description, details listed below”

A: WCDMA web

B:CDMA web

C:TD-SCDMA web

D:TDD-LTE web

E: FDD-LTE web

G:GPS+ EDGE

【1】 Supplement function description

2.Product Function

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2.1 Software function

Connection way	3G/4g connection,DHCP/Static IP/PPPoE
User quantities	Wire : 253, Wireless : 30
Operation system	Windows XP/VISTA Linux 2.6 Windows 7 MAC OS : 10.3.7and above
Browser	IE:6.0 and above Safari:1.2.4 and above Firefox:2.0.0.8 and above
Security Management	Fiwall setting:Protect the computer in the local area network purposed attacking from Internet MAC filtration:Prohibition MAC address already added Access control:control the right of access to computer in LAN. Port restriction:Stop some virtus according to some port from connection at one time . Stop DOS attack.
Server	Virtual server:set inner service server and provide user to access DMZ :when you need set the opening port of virtual server is not sure, you can set it into DMZ host. Port trigger: it can realize WIFI router open to the inner service port automatically by accessing to the port of Internet Serial port service:realize the serial port transit transparently ,AT order control and so on. Message service: it can control connection, hanging off and restartting by message. Ads verification/pushing: Customer end verified management by Wifi Dog Protocols.
Equipment management	Area setting NTP Server setting Copy and storage system setting Recovering the setting information from files



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	Recovery to default setting Software updating Remoting management Restart Reset password
WLAN security mode	Open System WPA-PSK WPA2-PSK WPAPSK WPA2PSK(combine WPA-PSwith WPA2-PSK mode) WPA1WPA2(combine WPA with WPA2 mode)

2.2 Hardware specification

Wireless connector	IEEE802.11b/g/n
Operation frequency:	2400-2483.5M
CPU main frequency	580Mhz
System memory	64M
System Flash	8M
Antenna	SMA (ourter part is spiral, inner part is hole)
WIFI transmission speed	300Mbps
Outer connector	LAN connector : 2 pcs (LAN1 is the self adjustive of WAN/LAN port) RS232connector : 1pcs SIM card slot : 1pcs antenna connector : 4 pcs indicator:8pcs DC power supply connector : 1 pcs TF storage card connector:1pcs reset button : 1pcs
Data speed	802.11n:upto150Mbps 802.11b:1,2,5,5,11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps



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Transmission power	11nHT40MCS7:+13.5Bm 11bCCK:+18dBm 11g OFDM: +13.5dBm
Receive sensitivity	-66dBmat150Mbps -73dBmat54Mbps -86dBm at 11Mbps
Dimension	Long*width*Height : 167*126*44 mm
Power	DC supply power : 6-35V 3A
Consumption (current)	smaller than 400mA
Work environment	Work temperature:-10°C ~ +60°C Storage temperature:-20°C ~ +70°C humidity: 5%~95%,No condensation

2.3 Frequency in router application

Type	Frequency in use
T270-A1	WCDMA/HSDPA/HSUPA/HSPA+ A+:900MHz/2100MHz GSM/GPRS/EDGE:850MHz/900MHz/1800MHz/1900MHz
T270-B1	CDMA/EVDO 800M: RX:869MHz~894MHz/TX:824MHz~849MHz CDMA/EVDO 1900M: RX:1930MHz~1990MHz/TX:1850MHz~1910MHz
T270-DE1	TD-LTE:BAND38/39/40/41 FDD-LTE:B1/3/7 WCDMA:B1/2/5 TD-SCDMA:BAN34/39 GSM/GPRS/EDGE:B2/3/5/8
T270-DE2	TD-LTE:B38/39/40/41 FDD-LTE:B1/3/7 WCDMA:B1/2/5 TD-SCDMA:B34/39 WVDO:BC0 CDMA20001X:BC0 GSM:B2/3/5/8

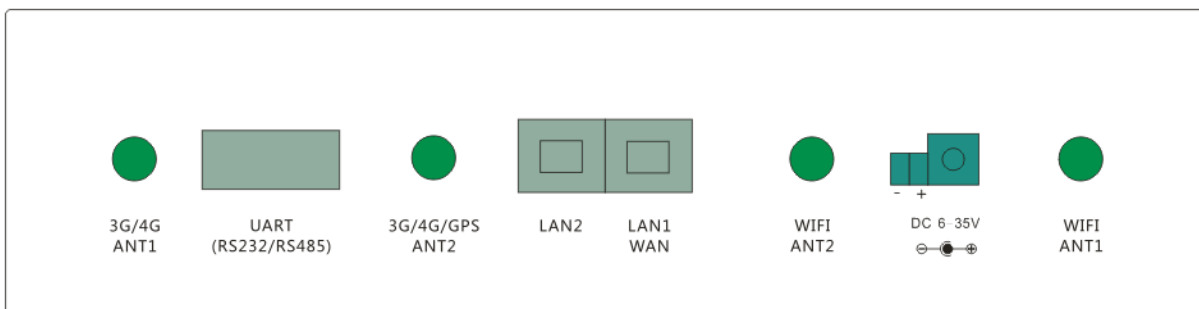
2.4 Interface specification

Front page:



- 1: Self locked SIM card Slot, you should push the yellow button ,SIM card set and pop-up if you want to pull out of the SIM card.
- 2: Reset button : Press this button for 5 seconds when it's in starting state , the system will restart when SYS light flashes quickly ,after that ,reset successfully.
- 3:TF storage card : Support 32G TF card at the max
- 4: USB connector : This connector is a standard USB HOST connector, it can connect camera, U disk
- 5:Indicator ,8 pcs : Power light (PWR), Sys light (SYS), Wireless Indicator (WIFI), Internet connection (LINK), WAN port indicator (LAN1,LAN2),Storage indicator (SSD option),GPS Status indicator (GPS option)

Back page :



- 1: WIFI ANTI& ANTI2: Separately they are WIFI main and vice antenna. It must connect 2 antennas.You only need to connect ANT1 if the frequency of Wifi



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network is 150M.

2: DC connector: 2.1mm standard round-head connector and 5.08 connection line port with self lock, Inner "+" .Outer: "-", the Voltage Output is 6-35V, the power is larger than 10W。

3:LAN1/LAN2: RJ45 connector, LAN1 can be used as WAN port if LAN1 is in the standard router mode

4:RS232 connector: Standard RS232 connector, If you need to expand RS485 connector, so you need to customized

5: 3G/4G ANT1& ANT2:The antenna only need to connect 3G ANT1 connector when connecting 3G network. 2 Antenna need to be connected if you want to connect 4G Internet .