

4G Industrial Wireless Router

Model: LBT-T300

Version: 301K-CN-4GA-W4-RS485

Product Introduction:

A flagship wireless communication device developed to meet 4G network demands, offering wireless speeds up to 300 Mbps. It meets the stable, secure, and simple internet needs of small networks such as offices and homes, while also being suitable for IoT communication applications, providing users with long-range wireless data monitoring, collection, and transmission capabilities. Compatible with all major 4G networks, it fully supports 4G/3G/2G connectivity and features one 10/100M adaptive Ethernet LAN port for connecting to internal local networks, and one 10/100M adaptive Ethernet WAN port for wired broadband access.

Supporting both 4G and wired broadband connections, the device comes with a built-in quick setup wizard that guides users through easy configuration. By default, it operates in 4G access mode—simply insert the SIM card and start using immediately. When connected to a WAN network via cable, it automatically switches to router mode. The device supports dual broadband access methods—4G and wired—and is compatible with 4G/3G/2G SIM cards from China Mobile, China Unicom, and China Telecom. Where wired bandwidth is unavailable, 4G connectivity offers distinct advantages, enabling automatic switching between 4G and wired connections to ensure uninterrupted service.

Countries	4G/5G network solutions	Wireless network	Number of slots	Serial port Protocol	Custom content
CN= China Version EU= European version NA= North American version GL= Global Edition SA= South American version JP= Japanese version AU= Australian version	A= Domestic Q= Qualcomm V=4G private network R=Redcap H= hisilicon	W0= No WiFi W4=WiFi4 W5=WiFi5 W6=WiFi6	S1= Single card S2= Dual cards	RS232 RS485 TTL	DO POE GPS ESIM

Example: 301K-CN-4GA-W4-S1-RS485; Version 301K, China 4G domestic solution, single band WiFi4, single card, protocol RS485, no customization

Note: Some versions do not allow customization of the above content.

○ Hardware parameters

Product size	99*99*18mm(L×W×H)
Power supply	DC: <7W
External interface / Protection level	Reset button: 1 Indicator lights: 5 SIM card slot: 1 Type-C power supply interface: 1 LAN ports: 2 (LAN1 is WAN/LAN adaptive) Protection level: IP30
Indicator light	POWER、WAN、LAN1、2.4G、4G
Antenna	内置板载天线
Storage memory	Storage: 8MB, Memory: 8MB
Power consumption (current)	CE、FCC、CCC
Certification	Less than 400mA
Work environment	Operating temperature: -10 to +70°C Storage temperature: -50 to +85°C Humidity: 5 to 95% (no condensation)

○ Optional frequency bands

4G band	CN: FDD-LTE B1/3/5/8 TDD-LTE B38/39/40/41 EU: FDD-LTE B1/3/5/7/8/20 TDD-LTE B38/39/40/41 NA: FDD-LTE B2/3/4/5/7/8/12/ 13/17/25/26/66 TDD-LTE B41 SA: FDD-LTE B2/4/5/7/8/28 TDD-LTE B40 J: FDD-LTE B1/3/8/18/19/26 TDD-LTE 41 GL: FDD-LTE B1/2/3/4/5/7/8/17/20/28 TDD-LTE B38/39/40/41
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○ Feature Data

Basic Features	Work mode: 4G access, routing mode Supported number of users: Wired: 30, Wireless: 30 VPN protocol: PPTP Client, L2TP Client (only supported in dedicated network version) Network functions: NAT, DNAT, DMZ, port forwarding
WLAN Security Consultative	OpenSystem, WPA-PSK, WPA2-PSK, WPAPSK/WPA2 PSK, WPA1 / WPA2
Operating frequency band	2400-2483.5MHz
WiFi transmission Rate/Data	Transfer rate: 300Mbps(MAX) (theoretical maximum) WiFi data: 802.11n: -66dBm at 300 Mbps HT40MCS7: +14dBm(±2dB) 802.11b: -86dBm at 11Mbps/CCK: +14dBm(±2dB) 802.11g: -73dBm at 54Mbps/OFDM: +14dBm(±2dB)
System Services	Virtual servers, port triggers, serial port services, firewalls, MAC filtering, access control, port blocking, regional Settings, factory reset, NTP server Settings, backup system information, software upgrades, remote management
Operating system Browser Requirements	System :Windows XP/VISTA, Linux 2.6, Windows 7, MAC OS: 10.3.7 ; Browser :IE:6.0 Safari:1.2.4 Firefox:2.0.0.8

○ Product packaging size/weight

Product weight (g)	145g
Product dimensions (mm)	99*99*18mm
Packaging size (cm)	25*16*7cm
Product packaging weight (kg)	0.5kg
Outer box dimensions (cm)	71.3*44.3*26.8cm
Container weight estimate (kg)	22kg

○ Housing positioning holes

○ Standard accessories



Power adapter *1



2 m suction cup antenna -
WiFi



2 m suction cup antenna -4G
(Optional cabinet antenna, rubber stick
antenna, etc.)



SIM card *1



Certificate of conformity *1