



Embedded 4G router module

Model: LBT-T300

Version: M500-CN-4GA-W4-RS485

Product Introduction:

The embedded router module LBT-T300-M360 is a module that supports 5-port Ethernet (4 LAN, 1 WAN), WIFI local area network (802.11 b/g/n) communication, serial port DTU, and wide area network 3G/4G wireless communication functions. The module's firmware includes functions such as wide area network communication, VPN tunneling, WIFI local area network transmission, etc., enabling seamless connection between wireless local area networks and wireless wide area networks, providing users with high-speed, secure, and reliable mobile broadband services. This module also supports 3G/4G access from China Mobile, China Unicom, China Telecom, and China Mobile. It supports wireless hotspots, advertisement push, cloud remote management, upgrades, and synchronization of cloud storage, offering powerful applications such as wireless hotspots, advertisement push, cloud remote management, upgrades, and synchronization of cloud storage.

The embedded router module M360 can be integrated into various embedded devices, providing stable and reliable network channels for various devices. It uses Ethernet ports, UART ports, and WIFI to offer simple and easy-to-use multiple network access methods for customers' applications, simplifying network development requirements to the greatest extent. Through different types of interface board designs, it can expand network storage, advertising hotspots, 4G DTU data transmission, serial port to WIFI conversion, remote monitoring, and various other applications. The module uses a high-performance MIPS communication processor, with an embedded operating system as the software support platform. The system integrates a full range of communication protocols from the logical link layer to the application layer, supporting VPN (including PPTP, L2TP), IPTABLE firewall, static and dynamic routing, PPP Client, DHCP Server and DHCP Client, DDNS, firewall, SNAT/DNAT, DMZ host, WEB configuration, APN/VPDN.

It supports automatic dial-up upon power-on, automatic maintenance of communication links to ensure the link is always online; it also supports automatic timed online and offline functions and other features. After rigorous design testing and years of practical application, the product performance is stable and reliable.

○ Hardware parameters

Product size	30*27*5mm(L×W×H)
External interface / Protection level	RS232/485 interface: 1 (customized) LAN ports: 4 WAN port: 1 Reset button: 1 Terminal power supply interface: 1 LED indicators: 8 Antenna interfaces: 2 (optional)
Power supply	3.3V
Indicator light	VPN、SYS、3G/4G、WLAN、LAN0-4
Antenna	IPEX First Generation Mother Head
Certification	CE、FCC、CCC
Storage memory	Storage: 8MB, Memory: 64MB
Power consumption (current)	Less than 3W
Work environment	Operating temperature: -30 to +70°C Storage temperature: -40 to +85°C Humidity: 5 to 95% (non-condensing)

○ Feature Data

Basic functions	4G Internet Protocol: 4G Dial-up Internet Access, DHCP/Static, IP/PPPoE Supported User Quantity: Wireless: 32 VPN Protocol: PPTP Client, L2TP Client (Only the dedicated network version supports it) WiFi Protocol: IEEE802.11b/g/n Port Protocol: NAT, DNAT, DMZ, Port Forwarding Dynamic DNS: Supports Huaxia Shell, 88IP and dyndns domain name service providers
Working frequency band	2400-2483.5MHz
WiFi Transmission rate / Data	Transmission rate: 300Mbps (MAX) (Theoretical maximum value) WiFi data: 802.11n: -66dBm at 300Mbps HT40MCS7: +15.5 dBm 802.11b: -86dBm at 11Mbps CCK:+18 dBm 802.11g:-73dBm at 54Mbps OFDM: +15.5 dBm
WLAN Security Agreement	OpenSystem、WPA-PSK、WPA2-PSK、WPAPSKWPA2PSK、WPA1WPA2
System service	Virtual server, port triggering, serial port service, firewall, MAC filtering, access control, port blocking, area settings, restore factory settings, NTP server settings, backup system information, software upgrade/remote management
Operating system and Browser requirements	System: Windows XP/VISTA Linux 2.6 Windows 7 and above MAC OS: 10.3.7 and above Browser: IE: 6.0 and above Safari: 1.2.4 and above Firefox: 2.0.0.8 and above

○ Product packaging size/weight

Product weight (g)	4g
Product dimensions (mm)	30*27*5mm
Packaging size (cm)	14*16cm(Bubble bag)
Product packaging weight (kg)	0.5kg
Outer box dimensions (cm)	71.3*44.3*26.8cm
Container weight estimate (kg)	17kg

○ Housing positioning holes

