



LM150 4G VoLTE Modem

Vola LM150, a 4G VoLTE modem can be used in POTS replacement solution. It integrated CAT-4 LTE module and is equipped with 2 SIM card slots that support SIM cards plug and play, and convenient networking. In addition, LM150 provides a FXS port that support VoLTE call for analog phone. With dual SIM cards, LM150 can realize network failover and 2 VoLTE lines. And it provides 3 SMA interfaces for MAIN & AUX 4G antennas and a GNSS antenna, which can be flexibly replaced to meet the different needs of users for network transceiver signals and satellite positioning signals. LM150 also integrates a LAN port that supports PoE in, and is often used with Vola PR08 to provide users with a reliable "4G LTE + POTS Replacement" IP communication solution.

Main Features:

Industrial design, multiple protection

LM150 adopts a cast aluminum metal shell with a strong structure, and meets IK10 mechanical protection level, effectively preventing collision damage to the device. The operating temperature ranges from -10 ° C to 50 ° C. LM150 is capable with 6KV lightning protection, suitable for outdoor usage, effectively ensure the reliability of equipment.

Dual SIM backup, LTE reliable communication

LM150 integrates CAT-4 LTE module, and dual SIM cards that support plug and play to realize fast networking. And it also provides backup capability for communication services, when SIM1 is abnormal, SIM2 can be used quickly to switch network link and call account, ensuring stable and reliable IP communication.

Rich interface, achieve more functions

LM150 integrates a FXS port and supports external analog phone, fax machine or more to implement VoLTE call by SIM account. LM150 is also equipped with a LAN port that supports PoE in, and a 4-pin port that can receive uninterruptible power when the LAN port is abnormal, ensuring stable running of the device. And it also provides a UART serial port used for debugging equipment or IoT connections.

Convenient networking, flexible deployment

Adopting 4G LTE access, LM150 require no laying of network lines, providing convenient deployment. And It can be used with Vola PR08, G504/G508 or other ATA gateway to provide users with a reliable "4G LTE + POTS Replacement" IP communication solution by full container equipped.



- 2 SIM Card Slots
- SIM failover, support network backup
- 1 FXS Port
- Support VoLTE Call
- 1 LAN Port, support PoE in
- UART Serial Port (TXD, RXD, GND, 5V)
- 3 SMA Ports: 4G antennas & GNSS antenna
- IK10 mechanical protection
- 6KV lightning protection design
- Support IP Passthrough & NAT Mode
- 4-pin power port, support UPS power supply
- Support IPv4 & IPv6
- OpenWRT System

LM150 Specification

Product Structure	
Body Material	> Aluminum alloy shell
Ethernet Port	> 1 * LAN, 10 / 100Mbps, PoE In
FXS Port	> 1 * RJ11
Power Port	> 1 * 12V 4-pin port, support UPS power supply
UART Serial Port	> 1 (TXD、RXD、GND、5V)
SMA Port	> 3, support external 4G antennas and GNSS antenna
Indicator	> 4 (1 * 4G、1 * FXS、1 * LAN、1 * PWR)
Dimension	> 97 * 71 * 31 mm (L * W * H)
Bare Weight	> 308g
Operating Environment	> Operating temperature: -10°C ~ 50°C > Storage temperature: -20°C ~ 70°C > Relative humidity: 10% ~ 90% (no condensation)
LTE Specification	
VoLTE Call	> Support
LTE Module	> LTE-CAT4
LTE Frequency	> LTE-FDD: B2/4/5/12/13/25/26
Network Speed	> Uplink: 50Mbps > Downlink: 150Mbps
Protocol	
Protocol	> SDP (RFC2327) > RTP/RTCP(RFC1889/RFC1890) > STUN(RFC3489) > ARP/RARP(RFC826/903) > IP Passthrough / NAT > NTP/SNTP(RFC8030) > TFTP/HTTP/HTTPS auto configuration > DNS/DNSRV(RFC1706/RFC2782)

Management and Application

Management	<ul style="list-style-type: none"> > Firmware update > Network management Interface > Local and Remote system logs (RFC3164) > Automatic configuration > SNTP time sync > Multiple user level > Telnet
Application	<ul style="list-style-type: none"> > NAT/NAPT router function > MAC address clone > Built-in NAT line router > DHCP server / client > Firewall

Packaging Information

Package List	<ul style="list-style-type: none"> > Vola LM150 > 1 * RJ 11 Phone Cable, 1 * Ethernet Cable > 3 * Removable Antennas > 1 * Power Adapter > Quick Installation Guide
Box information	<ul style="list-style-type: none"> > Qty/CTN: 10 Pcs > N.W/CTN: 5.4Kg > G.W/CTN: 6.2 Kg > Gift Box Size: 246 * 182 * 70mm (L * W * H) > Carton Size: 422 * 376 * 263mm (L * W * H)

Certification

Certification	      
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About Vola

Vola Networks, a US-based high-quality equipment provider, offering POTS replacement solution tailored specifically for MSPs.

Vola POTS service package including innovative CPE with a battery and 4G for internet backup, an SBC supporting V.150/V.152/FEC/T.38/T.37/C-ID, and the VolaCloud for managing all devices.

By leveraging reliable hardware and advanced POTS media SBC, Vola addresses unique challenges associated with essential POTS applications, including Alarms, Elevator Phones, Fax, and Modem Communications, providing outstanding stability and dependability in the unpredictable network environment.



Our LinkedIn Profile

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