LM150
Dual SIM 4G-LTE Router

The LM150 is a high-performance 4G VoLTE gateway designed to replace costly, aging copper lines with reliable, enterprise-grade cellular infrastructure. Featuring an integrated Cat-4 LTE module and dual SIM slots, it provides seamless "plug-and-play" connectivity with automatic carrier failover to ensure your business stays online during provider outages. The built-in FXS port delivers high-definition VoLTE support for legacy analog phones, while three SMA interfaces for 4G and GNSS antennas offer the flexibility to optimize signal strength and satellite positioning in any environment. Streamlined for modern deployments with a PoE-enabled LAN port to reduce wiring complexity, the LM150 integrates well with the PR08-Pro to deliver a comprehensive, cost-effective "4G LTE + POTS Replacement" solution.

Industrial-Grade Design and Comprehensive Protection

The LM150 features a rugged cast-aluminum chassis designed to withstand harsh environments, meeting the IK10 standard for superior mechanical and impact protection. Engineered for reliability, the device operates seamlessly between 14°F and 122°F (-10°C to 50°C) and includes 6KV lightning protection.

Dual-SIM Redundancy for Reliable LTE Connectivity

Powered by an integrated Cat-4 LTE module, the LM150 offers true plug-and-play functionality for rapid network deployment. To ensure mission-critical uptime, the dual-SIM architecture provides intelligent carrier failover; if the primary SIM loses connectivity, the system automatically switches to the backup SIM to maintain network links and voice accounts.

Versatile Interfaces and Enhanced Functionality

Equipped with a diverse array of ports, the LM150 extends the utility of your existing hardware. An integrated FXS port enables legacy analog phones and fax machines to utilize VoLTE via cellular accounts. For power flexibility, the device features a PoE-enabled LAN port alongside a secondary 4-pin power input for uninterruptible power backup.

Streamlined Networking and Flexible Deployment

The LM150's 4G-LTE access eliminates the need for costly trenching or complex wiring, allowing for rapid deployment in any location. When paired with the PR08, G504/G508, or other ATA devices, it forms a scalable "4G-LTE + POTS Replacement" ecosystem. This turnkey solution provides a reliable communication platform for a wide range of enterprise applications.

• **Dual SIM Card Slots**

• **SIM Failover and Network Backup Support**

• **1 FXS Port**

• **High-Definition VoLTE Call Support**

• **1 LAN Port With PoE Input**

• **UART Serial Port (TXD, RXD, GND, 5V)**

• **3 SMA Ports for 4G and GNSS Antennas**

• **IK10 Mechanical Protection**

• **6KV Lightning Protection Design**

• **Support for IP Passthrough and NAT Modes**

• **4-Pin Power Port With UPS Support**

• **Full IPv4 and IPv6 Support**

• **OpenWRT Operating System**

Hardware Specifications	
Case	> Aluminum alloy
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 Ports	> 3, supports external 4G antennas and GNSS
Indicators	> 4（1 * 4G、1 * FXS、1 * LAN、1 * PWR)
Dimensions	> 97 * 71 * 31 mm （L * W * H)
Weight	> 308g
Operating Environment	> Operating temperature: -10℃ ~ 50℃ > Storage temperature: -20℃ ~ 70℃ > Relative humidity: 10% ~ 90% (no condensation)

LTE Specifications	
VoLTE Call	> Supported
LTE Module	> LTE-CAT4
LTE Frequency	> LTE-FDD: B2/4/5/12/13/25/26
Network Speed	> Uplink: 50Mbps > Downlink: 150Mbps

Protocols	
Protocols	> SDP (RFC2327) > RTP/RTCP(RFC1889/RFC1890) > STUN(RFC3489) > ARP/RARP(RFC826/903) > IP Passthrough / NAT > NTP/SNTP(RFC8030) > TFTP/HTTP/HTTPS auto configuration > DNS/DNSSRV(RFC1706/RFC2782)

Management and Application	
Management	> Firmware updates > Network management Interface > Local and Remote system logs (RFC3164) > Automatic configuration > SNTP time sync > Multiple user level > Telnet
Applications	> NAT/NAPT router function > MAC address clone > Built-in NAT line router > DHCP server / client > Firewall
Packaging Information	
Package List	> LM150 > 1 * RJ 11 Phone Cable, 1 * Ethernet Cable > 3 * Removable Antennas > Quick Installation Guide
Box Information	> 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)
Certifications	
Certifications	FC IC RoHS 2011/65/EU