



PR12 LTE Router

All-in-one POTS Replacement Device

Vola PR12 is a 4G LTE Router that provides all-in-one solution for POTS Replacement. With its built-in CAT-4 LTE module and dual FXS ports, you can easily convert your hard-to-maintain PSTN line to advanced VoIP communication system while keeping all your legacy devices working as usual. PR12 is design to achieve 24h uninterrupted operation, it adopts low power consumption design and is equipped with internal battery, also providing dual SIM card slot to realize SIM cards switch. Besides, PR12 also integrate LAN port and USB Type-C for management and upgrade.

Key Features and Benefits

Great Compatibility

Vola PR12 can be used in FAX, Phone, Modem and Alarm system. With great compatibility in contact ID, T.37, T.38 and V.150.1, you can easily use it with your current PSTN-relied system.

Dual SIM Card

Vola PR12 integrates CAT-4 LTE module for reliable network connection for critical application. With dual SIM card, when SIM1 is abnormal, SIM2 can be used quickly to switch network link and call account, ensuring stable and reliable IP communication.

24h Uninterrupted Communication

Vola PR12 is built with internal battery to support normal operation even when there is a power failure. The battery can support device running up to 24h.

Rich Interfaces

Vola PR12 provide dual 1000M Ethernet ports, dual FXS ports and UART port for different usage scenarios, you can connect different type of devices and enable them with high-speed LTE connection. With SMA port, you can easily replace antenna for different environment to get the best connection.



- LTE CAT-4 module
- Dual SIM cards
- Dual GE ports
- Dual POTS line (RJ11 FXS)
- UART ports
- Dual SMA ports (for 4G Data & Voice)
- USB Type-C
- Support PoE in
- Battery-inside (up to 24h standby)
- Battery Management System
- Aluminum Case
- Support VoIP & VoLTE
- Support T.37 & T.38 FAX
- Support Contact ID
- Support V.150.1 Modem

Hardware Specification	
Case	> Aluminum alloy
Ethernet Port	> 2 * RJ45, 10/100/1000Mbps (LAN)
FXS Port	> 2 * RJ11
Power Port	> 1 * 12V DC 4-Pin (With Ignition Sensing) > 1 * PoE port (Eth0, IEEE 802.3af)
UART Serial Port	> 1 (TXD、RXD、GND、3.3V)
SMA Port	> 2
USB Port	> 1 * USB Type-C
Indicator	> 7 (1 * 4G, 2 * FXS, 2 * Eth, 1 * PWR, 1 * BAT)
Dimension	> 156.7 * 116.5 * 31.5 mm (L * W * H)
Bare Weight	> 800g
Operating Environment	> Operating temperature: -10°C ~ 50°C (High/Low temperature will lead to shorter battery life) > Storage temperature: -20°C ~ 70°C (High/Low temperature will lead to shorter battery life) > Relative humidity: 10% ~ 90% (no condensation)
Battery	> Capacity: 3500mAh > Over-charge Protection/Over-discharge Protection/Temperature Monitoring
LTE Specification	
VoLTE Call	> Support (FXS 1 only)
LTE Module	> LTE-CAT4
LTE Frequency	> LTE-FDD: B2/4/5/12/13/14/66/71 > WCDMA: B2/4/5
Network Speed	> LTE-FDD: Max. 150 (DL)/ Max. 50 (UL) > LTE-TDD: Max. 130 (DL)/ Max. 30 (UL)
Protocol	
Protocol	> SDP (RFC2327) > RTP/RTCP(RFC1889/RFC1890) > NAPTP for SIPURI check (RFC2915) > STUN(RFC3489) > ARP/RARP(RFC826/903) > IP Passthrough / NAT > NTP/SNTP(RFC8030) > TFTP/HTTP/HTTPS auto configuration > DNS/DNSSRV(RFC1706/RFC2782)

Voice

Call Features

- > 3-way conference
- > Call hold
- > Call transfer
- > Call forward
- > Call waiting
- > Hotline
- > Caller ID
- > Anonymous call
- > Dial plan
- > Blacklist
- > DND
- > CID/CWCID/CPC
- > Call logs
- > DTMF mode: In-band, RFC2833, SIP-INFO

Communication Protocol

- > Contact ID: Relay & Transmitter
- > FAX: T.30/T.37/T.38
- > Modem: V150.1
- > SIP V2.0(RFC3261)

POTS lines

- > Up to 3 REN Line Load
- > 55 Vrms Ring Voltage
- > 500ft Loop Length Support

Management and Application

Management

- > Firmware update
- > Network management Interface
- > Local and Remote system logs (RFC3164)
- > Automatic configuration
- > SNTP time sync
- > Multiple user level
- > Telnet
- > TR069(TR069, TR104)

Application

- > NAT/NAPT router function
- > MAC address clone
- > Built-in NAT line router
- > DHCP server / client
- > Firewall



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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