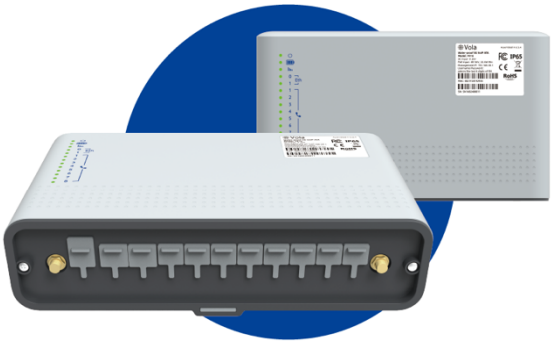
Flyingvoice PR18

5G ATA Gateway



Flyingvoice PR18 is an all-in-one POTS replacement gateway that keeps legacy analog services alive over 5G. It integrates a 5G RedCap module, dual SIM card slots and an internal battery, delivering a reliable voice path for fax, phone, modem and alarm systems. PR18 provides 8 RJ11 FXS ports with 3 REN, 2 gigabit Ethernet ports and PoE input, and supports Contact ID, T.30/T.38/T.37 fax and V.150 modem, so you can retire copper lines while your existing devices keep working as usual. With IP65 protection, UV resistance and dual SMA antennas, PR18 suits both indoor and outdoor installation.

Main Features

Great Compatibility

Flyingvoice PR18 can be used in fax, phone, modem and alarm systems. With great compatibility in Contact ID, T.30, T.38 and V.150 modem, you can easily replace the PSTN line while keeping your legacy device working as usual, with no rewiring and no change to the existing alarm panel or fax settings.

Smart Path & Dual SIM Cards

Flyingvoice PR18 supports WAN-5G failover, ensuring a reliable network connection for critical applications. With dual SIM cards, when SIM1 is abnormal, SIM2 can be used quickly to switch the network link and call account, ensuring stable and reliable IP communication and further enhancing system stability.

24h Uninterrupted Communication

Flyingvoice PR18 is built with an internal battery to support 24h standby time after power down. PR18 also supports VoNR as a backup when VoIP calls fail, maximizing communication capabilities for critical applications and delivering the reliability of a traditional analog line even during a power outage.

Flexible Installation

Flyingvoice PR18 is suitable for outdoor and indoor installation. It adopts IP65 and UV-proof design, and with its PoE input design and SMA ports, it eliminates the restriction of cable distance, making it suitable for different installation scenarios so your system can always get the best signal from the base station.

- All-in-one POTS Replacement
- 5G RedCap module
- Dual SIM card slots & eSIM
- Dual GE ports
- 8 POTS lines (RJ11 FXS)
- IP65 Water-Proof & UV Resistance
- Dual SMA ports (5G Data & Voice)
- Built-in GPS Antenna
- Support PoE in
- Battery-inside (up to 24h standby)
- Battery Management System
- Support VoIP & VoNR
- Support T.37 & T.38 Fax
- Support Contact ID
- Support Modem

Hardware Specification	
Case	> Plastic
Ethernet Port	> 2 * RJ45, 10/100/1000Mbps (1WAN + 1LAN)
FXS Port	> 8 * RJ11 (3 REN)
Power Port	> 1 * 12V-24V DC, 4-Pin 3.0mm Pitch Connector > 1 * PoE port (Eth0, IEEE 802.3af)
SMA Port	> 2
Indicator	> 8 (1 * Status, 8 * FXS)
Dimension	> 227 * 131.5 * 69 mm (L * W * H)
Bare Weight	> 1180g
Operating Environment	> Operating temperature: -20°C ~ 40°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	> LFP Battery, 4S2P > Nominal Voltage: 12.8V > Rated Capacity: 4400mAh > Over-charge Protection/Over-discharge Protection/Temperature Monitoring
5G Specification	
VoLTE/VoNR Call	> Support (some version may not support)
Module	> Redcap > LTE CAT-4 (Backward compatibility)
Frequency Band	> LTE-CAT4: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B30, B34, B38, B39, B40, B41, B42, B43, B48, B66, B71, B106 > 5G FR1 Redcap: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n30, n38, n40, n41, n48, n66, n70, n71, n77, n78, n79
Network Speed	> 5G Sub-6 (SA Mode, FDD & TDD) – DL: 223 Mbps – UL: 123 Mbps > LTE CAT-4 (Backward compatibility) – DL: 200 Mbps – UL: 105 Mbps
Protocol	
Network 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 Specification	
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, RFC2833/4733, SIP-INFO > VoIP fallback to VoLTE/VoNR
Communication Protocol	> Contact ID Relay > Support IP Communicator: Contact ID, Pulse, BFSK, High Speed DTMF > Fax: T.30/T.38/T.37 > Modem: V150.1, V.21, V.22 > SIP V2.0 (RFC3261)
Management and Application	
Management	> OTA Firmware upgrade > Network management Interface > Local and Remote system logs (RFC3164) > Automatic configuration (Http/Https/Tftp) > SNTP time sync > Multiple user level > Telnet > TR069 (TR181, TR104) > Flyinglink cloud management platform
Application	> NAT/NAPT router function > MAC address clone > Built-in NAT line router > DHCP server / client > Firewall

About Flyingvoice

Flyingvoice is a leading manufacturer of VoIP phones, VoIP adapters and VoIP routers, which are widely used throughout the world and highly praised
by international carriers, ITSP, ISP and company users.

Driven by ongoing innovation of VoWLAN, Flyingvoice is committed to making easier VoIP products by enabling the enterprise network and united
communication. Our people are continuously improving our products and expanding product applications tailored to client' s requirements, which make
you collaborate securely, effectively and efficiently – anytime & anywhere.

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Visit www.flyingvoice.com for product documents and FAQ, or contact Flyingvoice by email at support@flyingvoice.com. We' ll get you the help you need.

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