

PR08-Pro Dual WAN VoIP Router With Built-In Battery

The PR08-Pro is a high-density VoIP gateway engineered for mission-critical POTS replacement. Designed to bridge the gap between legacy hardware and modern networks, it features eight FXS ports that provide seamless connectivity for essential systems like elevator panels, fire alarms, and POS terminals.

Reliability is baked into the hardware via dual Gigabit WAN ports with instant failover and a robust triple-layered power strategy. By combining an internal battery, a dedicated UPS port, and USB-C backup options, the PR08-Pro ensures that your most vital lines remain live and compliant, even during extended power or network outages.



Industrial-Grade Design and Reinforced Protection

The PR08-Pro features a high-strength, cast-aluminum housing engineered for maximum durability. With an IK10 impact rating, the chassis is shielded against physical damage and tampering in high-traffic areas. The device operates reliably in extreme temperatures ranging from 14°F to 122°F (-10°C to 50°C) and includes 6KV surge protection to defend against lightning strikes and electrical fluctuations.

Full-Featured FXS with Universal Compatibility

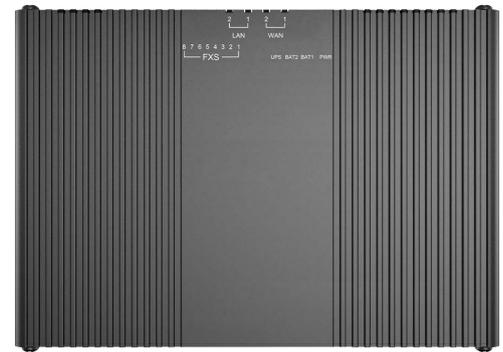
The PR08-Pro provides eight high-performance FXS ports, serving as a robust bridge for critical analog infrastructure. It offers seamless integration for elevator emergency panels, fire and burglar alarms, legacy fax machines, and ATM/POS terminals. This allows organizations to migrate to an IP-based network and leverage modern VoIP cost savings without the expense of replacing existing, mission-critical analog hardware.

Reliable Backup Power for Mission-Critical Uptime

To ensure your communications never go dark, the PR08-Pro is equipped with an internal 44Wh battery and a 65W PD3.0 USB-C port for external power bank expansion. This redundant system supports up to 24 hours of uninterrupted operation during a total power failure—a vital feature for emergency services. Additionally, the device supports intelligent power cycling, allowing users to remotely reboot the router or connected peripherals to resolve hanging or malfunctioning equipment.

Network Failover for Uninterrupted Connectivity

Equipped with four Gigabit Ethernet ports, the PR08-Pro is designed for high-speed data throughput and network resilience. The dual WAN ports support automatic failover, instantly switching to a backup link if the primary connection drops to prevent service interruptions. Furthermore, integrated PoE (Power over Ethernet) Out capabilities allow the router to provide power directly to downstream devices, simplifying installation and reducing cable clutter.



- 8 High-Density FXS Ports
- 4 Gigabit Ethernet Ports
- PoE Output via WAN Ports
- USB-C External Power Bank Support
- Dedicated UPS Power Output
- Integrated Hardware Power Cycling
- Dual Network and Power Fail-over
- IK10 Industrial-Grade Protection
- 6KV Lightning and Surge Protection
- V.150.1 Modem Relay Support
- Contact ID Security Protocol Support
- T.38 and T.37 Fax over IP Support
- TR-069 & SNMP Remote Management

Hardware Specifications	
Case	> Aluminum alloy
Ethernet Ports	> 2 * WAN, 10 / 100 / 1000Mbps, PoE out (MAX 15W) > 2 * LAN, 10 / 100 / 1000Mbps
FXS Ports	> 8 * RJ11
UPS	> 1 * Max 24W (12V / 2A), supports power outlet
USB Port	> 1 * Type-C, supports external power banks supply (PD3.0 65W)
Power Port	> 19V / 3.42A
Indicators	> 16 (8 * FXS, 2 * WAN, 2 * LAN, 1 * BAT, 1 * USB, 1 * UPS, 1 * PWR)
Dimensions	> 176 * 115 * 45 mm (L * W * H)
Weight	> 900g
Performance Specifications	
Power Supply	> Supports DC power supply / PD3.0 protocol via USB type-c port
Power Cycling	> Supported
IP Calling	> Supports 8 parallel IP calls with FXS ports
Operating Environment	> Operating temperature: -10°C ~ 50°C (Battery Charging: 0-45°C, Battery Discharge: -10~55°C) > Storage temperature: -20°C ~ 70°C > Relative humidity: 10% ~ 90% (no condensation)
Voice	
Call Features	<ul style="list-style-type: none"> > 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

Protocols

Protocols	<ul style="list-style-type: none"> > SIPV2.0(RFC3261) > SDP(RFC2327) > RTP/RTCP(RFC1889/RFC1890) > NAPT for SIPURI check (RFC2915) > STUN(RFC3489) > ARP/RARP(RFC826/903) > NTP/SNTP(RFC8030) > TFTP/HTTP/HTTPS auto configuration > Message Tips (RFC3842) > DHCP Option Fields (RFC3361) > DNS/DNSRV(RFC1706/RFC2782) > USB PD 3.0
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Management and Application

Management	<ul style="list-style-type: none"> > Firmware update > Network management Interface > Local and remote system log (RFC3164) > Automatic configuration > SNTP time sync > Multiple user level > Telnet > TR069 (TR069, TR104) > SNMPv2
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Application	<ul style="list-style-type: none"> > NAT/NAPT router function > MAC address clone > Support DDNS > SIP proxy redundancy > Built-in NAT line router > DHCP server / client > IP collision detection > Port mapping, DMZ > 802.1Q VLAN/802.1p, DSCP > VPN (PPTP, L2TP, IP Sec) traversal > IGMPv2 > V150.1 > Contact ID > FAX T.30/T.37/T.38 > Firewall
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Packaging Information

Packing List	<ul style="list-style-type: none"> > PR08-Pro > 1 * Power Adapter, 1 * UPS Power Cable, 1 * RJ11 Phone Cable, 1 * Ethernet Cable > Quick Installation Guide
Box Information	<ul style="list-style-type: none"> > Qty/CTN: 10 Pcs > N.W/CTN: 14.06 Kg > G.W/CTN: 14.80Kg > Gift Box Size: 326 * 144 * 84mm (L * W * H) > Carton Size: 450 * 310 * 350mm (L * W * H)

Certifications

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