PREMIER WIRELESS
BUSINESS TECHNOLOGY SOLUTIONS

T-MOBILE FOR BUSINESS
PINNACLE PARTNER

PEPLINK E911 POTS REPLACEMENT

# Modernize your POTS connections

## Peplink POTS Adapter Recommendation




Peplink POTS Adapter | E911 licensing

Prepared by Premier Wireless Business Technology Solutions, Inc.

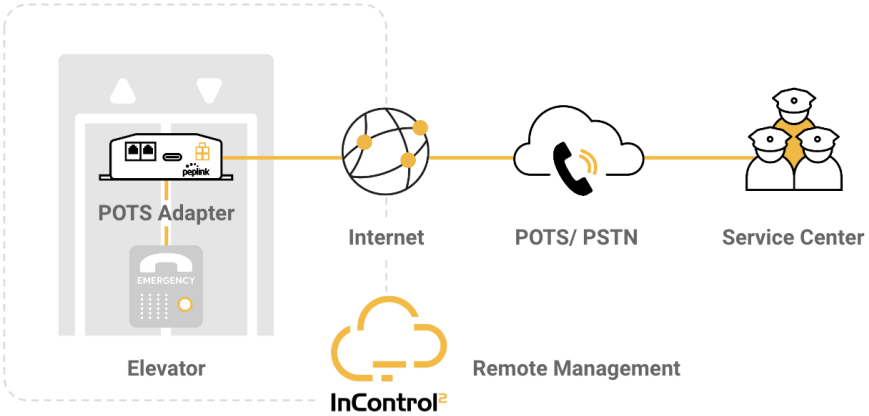
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RECOMMENDED SOLUTION

# A practical path from copper to LTE

Premier Wireless recommends the Peplink POTS Adapter to modernize existing analog connections using cellular connectivity.

The compact adapter connects existing analog equipment to VoLTE without an external router. The recommendation pairs the hardware with an E911 license for each device, billed annually.




## Retain existing analog equipment

Support elevator phones, intercoms, access control and fax connections.

## Simplify visibility and support

Monitor adapters, review connection quality and receive alerts through InControl.

## Add emergency routing services

Pair the adapter with annual E911 licensing. The Intrado white paper explains Emergency Routing Service.

## Build in SIM redundancy

Physical Nano-SIM + eSIM support configurable backup connectivity. Data-only backup supports SIP calls; VoLTE requires voice-enabled service.

HARDWARE SPECIFICATIONS

# Peplink POTS Adapter

## Industrial design.
## Compact footprint.
## Flexible power.




| | |
|---|---|
| **Cellular / voice** | Embedded LTE Cat 4 modem; VoLTE and SIP |
| **Analog line** | Up to 5 REN; 45 Vrms ring voltage; 500 ft loop |
| **Configuration / management** | USB-C; Web UI; InControl; SMS |
| **SIM redundancy / failover** | 1 Nano-SIM + eSIM; configurable SIM priority and failback |
| **Antenna connections** | 2 SMA cellular antenna connectors |
| **Power inputs** | 9-16V DC via 4-pin Molex; 5V DC via USB-C |
| **Power consumption** | 1.7W nominal; 3.5W maximum |
| **Dimensions / weight** | 5.0 × 4.2 × 1.4 in; 0.70 lb (0.32 kg) |
| **Operating environment** | -22°F to 149°F; 15%-90% non-condensing humidity |
| **Certifications / warranty** | FCC, RoHS, UL; 1-year limited warranty |
| **Included equipment** | Adapter, 2 LTE antennas, 12V 2A 4-pin power supply |

INCONTROL 2 REMOTE MANAGEMENT

# Visibility beyond the dial tone

Manage POTS Adapters across locations from one cloud-based system. InControl gives your team visibility into device health and the tools to investigate issues remotely.

**01**

### Monitor adapter availability

View adapter status remotely across your deployment. Receive email alerts when a device goes offline so your team can investigate.

**02**

### Review cellular and POTS line health

Check cellular WAN quality, POTS line statistics and activity logs to help identify connection issues and understand device activity.

**03**

### Track power changes

Receive notifications when power supply changes are detected, including operation on battery when connected to a compatible backup power source.

**04**

### Maintain devices remotely

Perform configuration changes and firmware upgrades through InControl. Remote assistance helps support teams troubleshoot without an initial site visit.

**For POTS replacement, this means earlier awareness of adapter and connectivity issues, more informed troubleshooting and simpler ongoing maintenance.**

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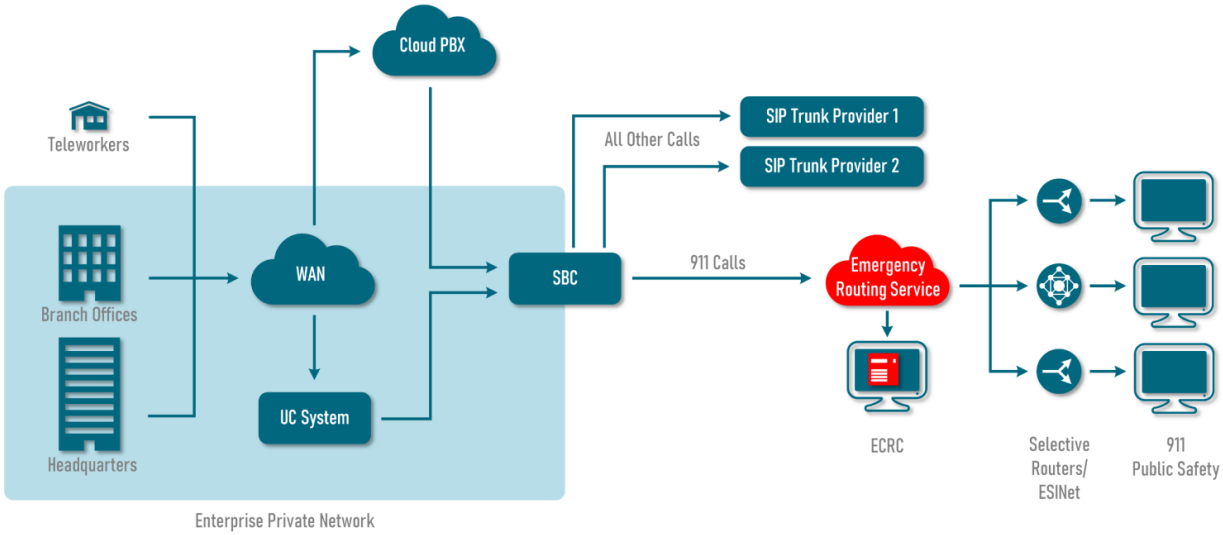
# Emergency Routing Service

## E911 call routing and enhanced location delivery to keep your workforce safe and your business compliant.

Emergency Routing Service connects your workforce to emergency services and keeps your business compliant with dynamic E911 call routing and enhanced location delivery to over 6000 public safety answering points across the U.S. and Canada. With Emergency Routing Service, 911 calls are delivered to the right PSAP with the caller's dispatchable location included, from any device and no matter where they work.

### How It Works: Data and Call Flow

1. The enterprise validates user and location records in the Emergency Routing Service Provisioning Server using the Emergency Routing Service Portal or Emergency Routing Service. These records are then stored in the Emergency Routing Service National ALI Database.
2. A user makes a 911 call. The call is routed from the enterprise's IP-PBX or UC system via SIP or PSTN to the Emergency Routing Service 911 Call Server.
3. The 911 Call Server retrieves the location of the caller from the National ALI Database and routes the call to the 911 Call Routing Network.
4. The 911 Call Routing Network directs the call to the appropriate selective router, which then delivers the call to the local PSAP.
5. The PSAP retrieves the user's location record from the National ALI Database using a connection through the Regional ALI Database.
6. In a failover/unprovisioned call scenario, the 911 Call Server directs the call to Intrado's Emergency Call Relay Center (ECRC) for location verification and routing.




intrado.com

## Specifications

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|---|---|
| Data Centers | • Geo-redundant data centers<br>• Active-Active load-balanced call servers<br>• Flexible connectivity via Internet, VPN, NNI |
| Call Delivery | • SIP and PSTN connectivity<br>• Network monitoring with SIP options<br>• SIP UDP/TCP protocols<br>• RTP/UDP with G.711<br>• Configurable dial plans for emergency and test calls<br>• Individual PSTN number for routing contingency on failover |
| Integrations | • Intrado Emergency Gateway(EGW)<br>• Microsoft Phone System Direct Routing, Operator Connect<br>• Certified with Skype for Business<br>• Cisco Emergency Responder with native integration for provisioning<br>• Certified with Avaya Aura Communication and Session Managers<br>• Mitel MiVoice Business, MiVoice Connect, MiVoice Office<br>• Webex App for Broadworks<br>• Most IP-PBX/UC platforms and softswitches using SIP trunking |
| 911 Call Routing Network | • U.S. and Canada 911 coverage<br>• E911 connectivity to over 6,000 PSAPs |
| Emergency Call Response Center (ECRC) | • U.S.-based and operated by Intrado<br>• APCO-trained 911 call takers<br>• 24/7/365 operations<br>• Enhanced transfers to PSAPs using emergency lines with location (ALI) delivery<br>• Support for unprovisioned calls and remote workers; back-up answering point for contingency routing |
| Test Calls | • Built-in testing with configurable test call number<br>• Playback of call details including address and 911 coverage<br>• Two-way audio verification<br>• Email confirmation of every test call with results |
| 911 Call Notification | • Email alert with location details<br>• SMS-formatted alerts<br>• Support for Skype for Business Notification URI |
| Security Desk Call Monitoring | • Conference security personnel for real-time call monitoring<br>• Security phone number configurable per location<br>• Configurable one-way or two-way audio<br>• Support for Skype for Business Security Desk URI |
| Location Manager | • PC Application to manage 911 location for softphones<br>• Compatible with most softphones<br>• Location Manager Client: Windows 10, MacOS<br>• Offsite tracking with real-time validation, remembers previous locations<br>• Onsite tracking with automated location updates and Emergency Response Location (ERL) network maps (subnets, wireless) |
| Dynamic Routing | • Dynamic routing of 911 calls based on caller location information provided with the SIP call<br>• Configurable ERL network maps (subnets) |
| Supported Applications | • Support for HELD interface for phones and softphones<br>• Location database with associated network elements (switches, Wireless Access Points subnet)<br>• Support for user specified remote locations<br>• Tested with Cisco, Poly, Mitel phones, Webex app |

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|---|---|
| Address Validation and Provisioning | • Real-time address validation and geo-coding<br>• Link with geo-coordinates for address mapping<br>• Simplified error correction process |
| Administrative ERS Portal | • Secure portal for service administration<br>• Easy provisioning of records<br>• Batch files for bulk provisioning<br>• User profiles for managing access levels<br>• Individual sub-accounts for separating access to records and reports<br>• Comprehensive reporting – call records, locations and subscriber, provisioning audits<br>• Portal branding for service providers |
| Provisioning ERS API | • SOAP XML API for address validation and provisioning<br>• Real-time provisioning of records<br>• Secured with TLS encryption<br>• Customer Lab for API development |
| Documentation | • ERS Technical Support Policies<br>• ERS Network Interface Guide<br>• ERS Portal User Guide<br>• API guides<br>• Location Manager deployment and user guides |
| Subscription | • Monthly subscription<br>• Fee based on the number of endpoint records |
| Regulatory Compliance | • Compliant with current state E911 legislation<br>• Compliant with current FCC E911 regulations |
| Standards Compliance | • NENA i2 (08-001)<br>• RFC: SIP 2543, 3261, 2976, 3265, 3262, 3325, 4119, 5139<br>• RFC: RTSP 2326, RTP 1889, SOAP 3902, PIDF-LO 5139<br>• TLS 1.2 |
| Support | • Customer support and troubleshooting included with the service<br>• 24/7/365 emergency number<br>• Email and web support portal |
| Solution Applicability | • Enterprises<br>• Small and medium businesses<br>• Government agencies and educational institutions<br>• VoIP Service Providers<br>• Unified Communication as a Service (UCaaS) providers<br>• SIP Trunk Providers |

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