



BCN POTS Over LTE

A Dynamic and Cost-Effective Alternative to Traditional POTS Lines

PRODUCT OVERVIEW

BCN's POTS Over LTE Solution is a fully monitored and managed system designed to connect critical communication devices such as fire alarms, emergency systems, fax machines, elevators, and voice lines to ensure regulatory and compliance requirements are met. This solution employs an MFVN compliant ATA device capable of supporting up to 8 lines per device, with a remote power cycle, offering a reliable and robust communication infrastructure for businesses.

KEY FEATURES

Dynamic Placement of LTE Router with External Antenna

- The LTE Router can be extended up to 50 ft. to capture the best LTE signal without having to establish a new DEMARC.
- The LTE Router can also be extended an additional 15 ft. through an externally mounted antenna.
- The LTE Router connects to the POTS Adaptor via POE which allows the router to continue to be powered by the backup battery.

ATA Device and Battery Backup

- MFVN compliant Analog Telephone Adapter (ATA) device.
- Supports up to 8 lines per device, accommodating various communication needs.
- 8-hour battery backup for continuous operation during power disruptions.
- Optional enclosure and 24-hour battery backup available.

Connectivity

- Utilizes dual SIM 4G LTE technology for primary communication, providing a reliable and always-on connection for voice services.
- Redundant connectivity options include both SD-WAN enabled wired and 4G LTE, ensuring uninterrupted communication in case of network failures or outages.
- BCN now offers a low bandwidth wired connection. Not available as standalone primary or backup broadband connectivity.

Traffic Shaping/QoS Management

- Implements Traffic Shaping and Quality of Service (QoS) Management to prioritize and optimize network traffic, ensuring efficient utilization of resources and maintaining high-quality voice service.

Security

- Features a built-in firewall to secure network traffic and prevent unauthorized access, enhancing the overall security of the communication infrastructure.

POTS Adaptor Regulatory and Compliance Approvals

- Permitted under NFPA 72 (National Fire Protection Association)
- HIPPA Compliant
- PCI Compliant
- FCC Compliant
- UL Listed
- Approved for Fire/Life Safety applications, including elevators and alarm systems
- Tested and extensively accepted by leading fire and burglar panel manufactures

KEY ADVANTAGES

Platform as a Service (PaaS)

- Always evolving and improving, ensuring that the solution stays current with industry advancements.

Industry Leading Hardware Manufacturers

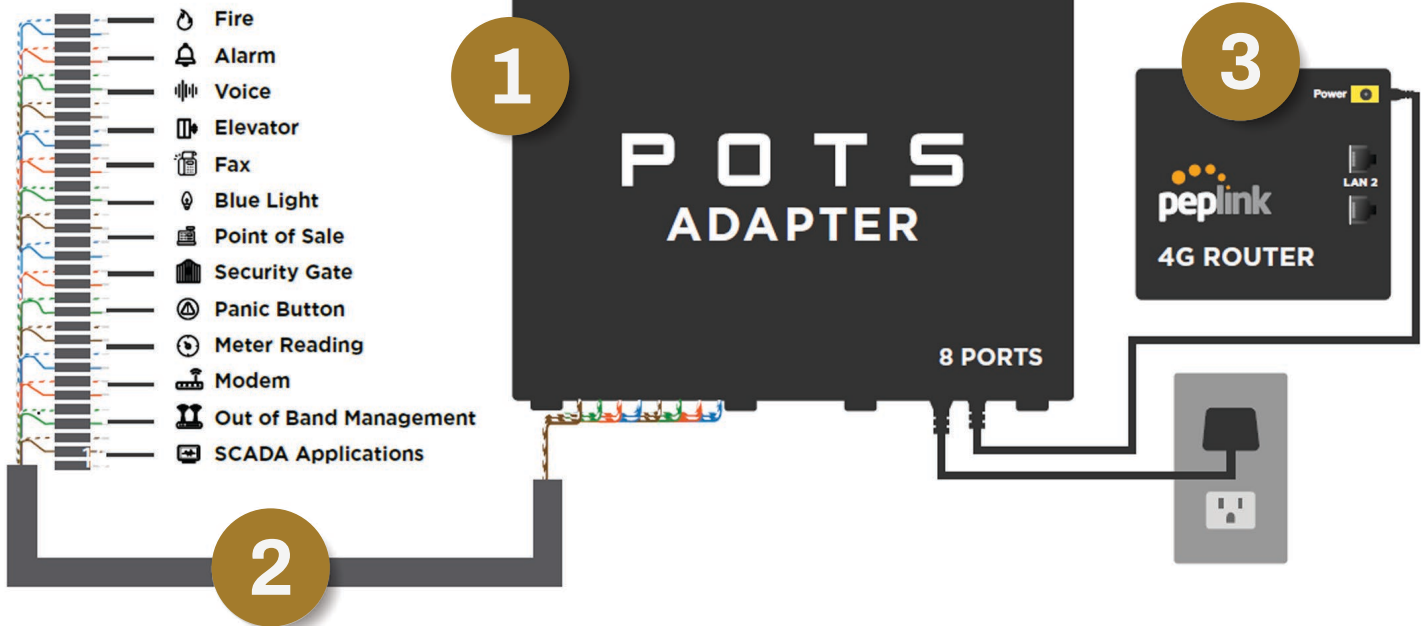
- Utilizes hardware from industry-leading manufacturers, ensuring quality and reliability.
- Ready availability of hardware components ensures seamless deployment and maintenance.

White Glove Installation

- This premium service features a customized post installation report with comprehensive information about the installation process. Photographs of the installation, along with a clear view of successful test calls affirm the reliability and effectiveness of BCN's POTS Over LTE solution.

ATA Device and Battery Backup

Applications



We transform the last mile of copper into the **last foot of copper**, utilizing cloud infrastructure while maintaining compatibility with legacy systems.



1

POTS Adaptor:

Next generation POTS line delivery – 8 Port ATA; 8 hour battery backup; power recycle.



2

Custom Inside Wiring



3

Peplink Max BR1 Mini Router:

Can extend router away from POTS adapter up to 50 feet with an additional 15 feet via an external antenna.

Private Secured End-to-End Connection

FULL CALL FLOW CONTROL

- BCN manages the call flow from the customer's premises to the BCN Managed Softswitch and the PSTN.
- Provides comprehensive monitoring and detailed insights for troubleshooting.

INTEGRATED MONITORING PLATFORM

- Utilizes PRTG monitoring platform to oversee all components of the POTS over LTE solution.
- Monitors individual lines for proactive issue detection.

PROACTIVE REPAIR MANAGEMENT

- Automatic repair ticket creation upon receiving alerts.
- End user notification and assistance with issue resolution.

CUSTOMER CONVENIENCE

- Eliminates the need for manual dial tone and serviceability checks.
- Ensures a seamless and efficient experience.

Technical Specifications

POTS ADAPTOR - GENERAL INFORMATION

- Dimensions: 180 W x 110 H x 46 D MM
- Case: Metal
- WAN Ports: 2
- WAN (POE): 48V
- LAN Ports: 2
- FXS Ports: 8
- Power Input : 19V DC

CAPABILITIES

- Voice (VoIP): Yes
- Alarm (VoIP): Yes
- Alarm XMTR: Yes
- Elevator: Yes
- Fax (T.38): Yes
- Fax XMTR (Store & Forward): Yes
- Modem (MoIP): Yes

BATTERY SPECIFICATIONS

- Battery Type: Li-Ion
- Battery Sepcs: 4 Cells – 20 Ah
- Standby Time: 8 + hours*

PEPLINK MAX BR1 MINI – GENERAL INFORMATION

- Dimensions: 126 W x 107 H x 35 D MM
- Case: Metal
- WAN Ports: 1
- LAN Ports: 2
- Can Extend router away from POTS Adapter up to 50 Ft with an additional 15ft via an external antenna

POTS ADAPTOR REGULATORY AND COMPLIANCE APPROVALS

- Permitted under NFPA 72 (National Fire Protection Association)
- HIPPA Compliant
- PCI Compliant
- FCC Compliant
- UL Listed
- Approved for Fire/Life Safety applications, including elevators and alarm systems
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INCLUDED ACCESSORIES

- Power Supply 19V (1 Meter)
- 2 Peplink LTE Antennas

*Optional enclosure and 24-hour battery backup available.

WE ARE BCN

A managed network and technology solutions provider with the flexibility and experience to address every need uniquely. Creating tailored solutions based on the portfolios of 100's of wholesale network & technology partners.



SINGLE PROVIDER

A single-source for custom-configured solutions.



UNIFIED BILLING

All services at all locations on one monthly invoice.



CUSTOMER CARE

Single point of contact for U.S. - based support.



OUR LEGACY

Decades of experience and thousands of business customers.