



# 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 4-channel remote power cycle, offering a reliable and robust communication infrastructure for businesses.

### KEY FEATURES

#### Dynamic Open Box Enclosure

- BCN's POTS Over LTE Solution offers a dynamic enclosure that houses fully integrated networking components, distinguishing it from competitive 'closed box' solutions.
- The dynamic nature of the enclosure allows for adaptability and futureproofing, accommodating evolving technology and requirements.

#### ATA Device

- MFVN compliant Analog Telephone Adapter (ATA) device.
- Supports up to 8 lines per device, accommodating various communication needs.
- Up to 48-hour battery backup for continuous operation during power disruptions.

#### 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.

#### 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.

#### Regulatory and Compliance Approvals

- Permitted under NFPA 72 (National Fire Protection Association)
- Managed Facilities Voice Network (MFVN)
- HIPAA Compliant
- PCI Compliant
- RoHS
- UL 60950-1, UL 62368-1, and UL 2054 listings

### KEY ADVANTAGES

#### Platform as a Service (PaaS)

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

#### Flexible Components

- Scalability allows businesses to expand and adapt the system according to their changing needs.

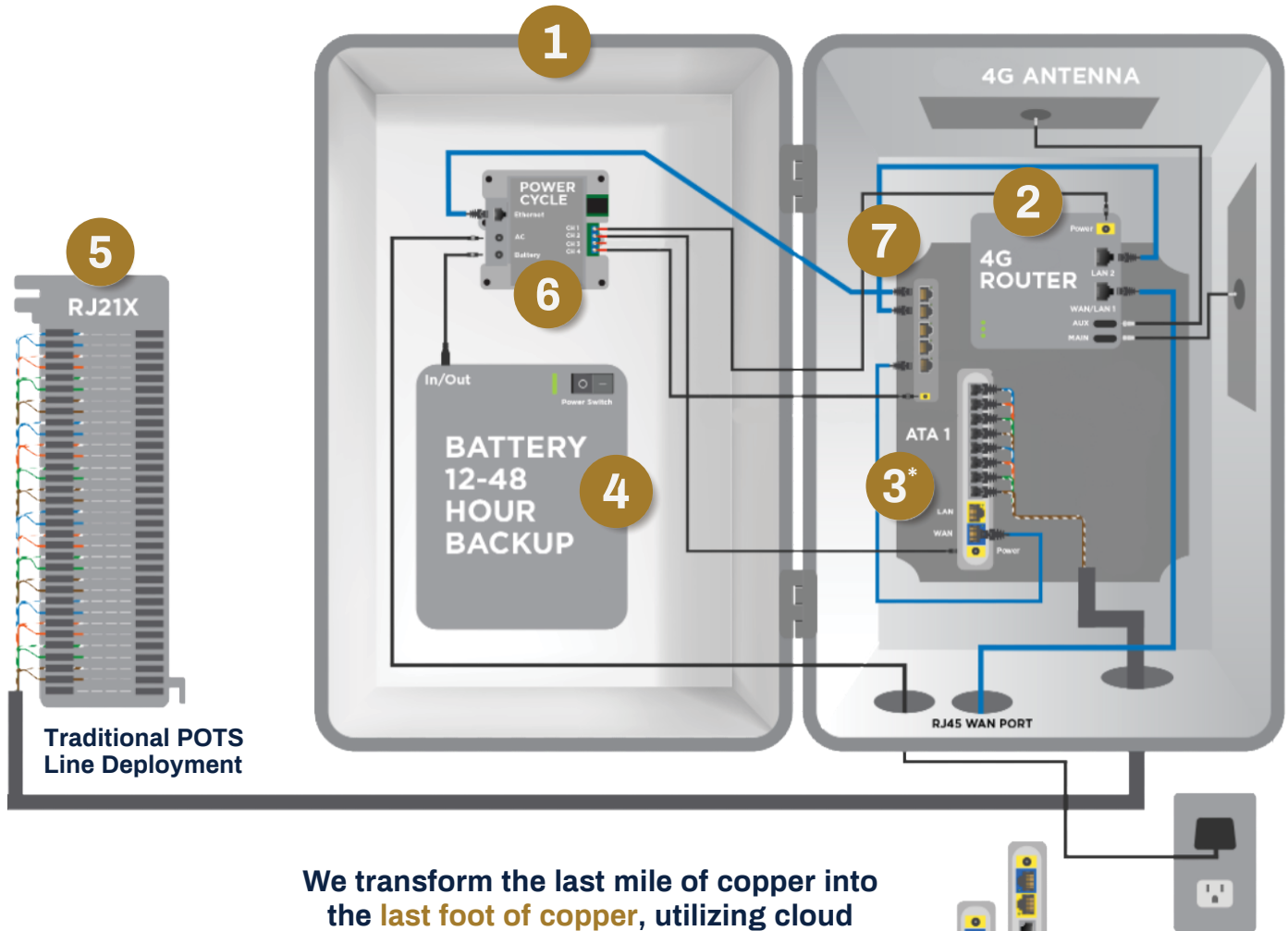
#### Industry Leading Hardware Manufacturers

- 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.

# Dynamic Open Box Enclosure



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

*2, 4, or 8 Port ATAs can be used*

- |  |   |  |
|--|---|--|
|  <p><b>1</b> NEMA Telco Enclosure<br/>11"L x 7"W x 7"H</p> |  <p><b>4</b> Mini Uninterruptible Power Supply  10.4 Ah<br/>12-48 Hours of Back Up Power</p> |  <p><b>6</b> Remote Power Cycle Supports 4 Channels</p> |
|  <p><b>2</b> Peplink Max BR1 Mini Router</p>               |  <p><b>5</b> 66 Block Code Compliant DMARC for POTS Line Delivery<br/>10"L x 3"W x 7"H</p>   |  <p><b>7</b> 5 Port Switch</p>                          |
|  <p><b>3</b> 2   4   8 Port ATA Models Available</p>       |   |  |

# 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

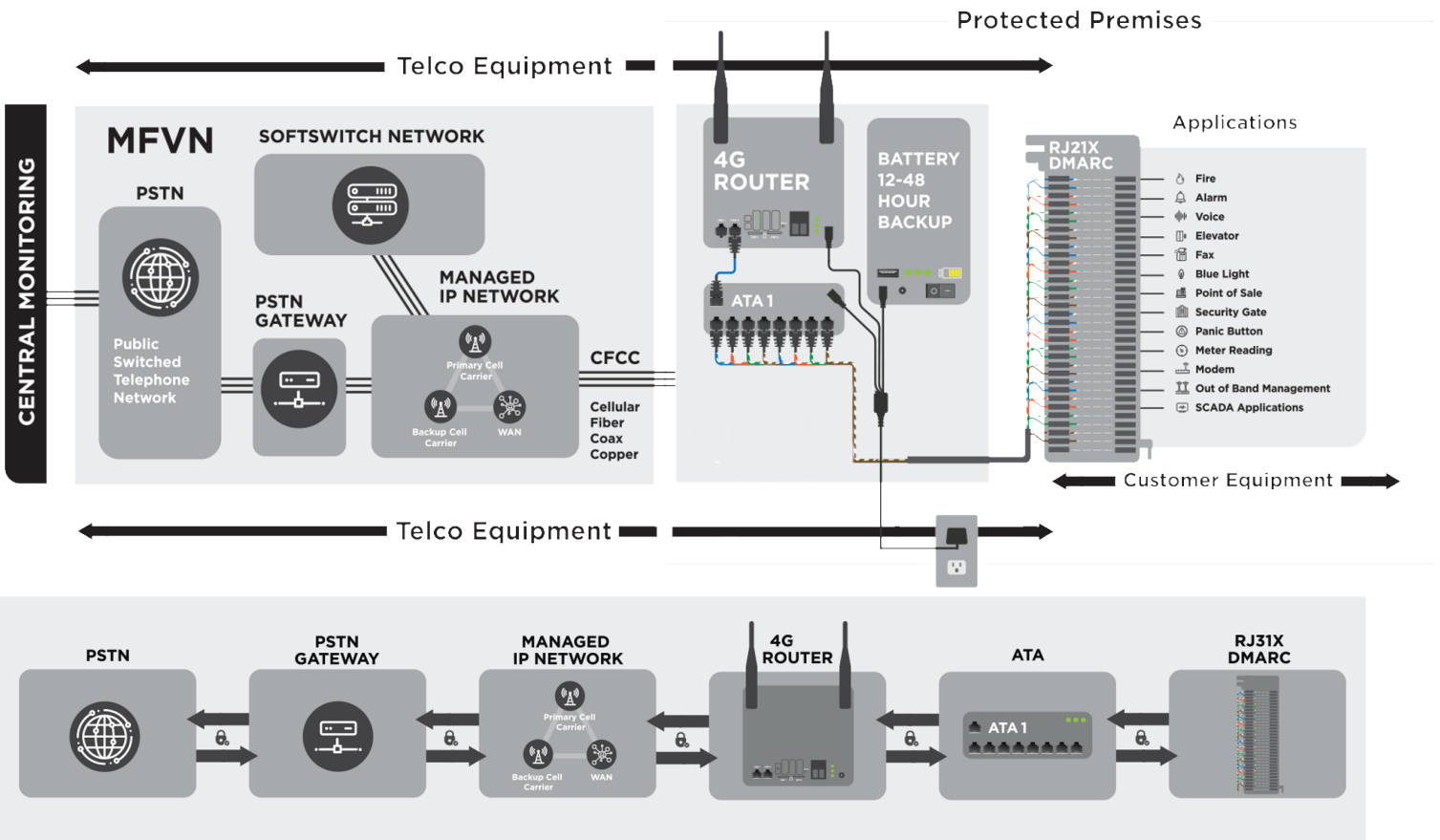
- Utilizes PRTG monitoring platform to oversee all components of the POTS over LTE solution.
- Monitors individual lines for proactive issue detection.

## 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

## PHYSICAL

- Dimensions: 11"L x 7"W x 7"H
- Weight: 7.7 lbs.
- Mounting: Wall Mounted (4 screws for Enclosure, 2 screws for Telco Block)
- Enclosure: NEMA Telco Enclosure

## POWER

- AC Input: 120 VAC
- AC Frequency: 60 Hz
- AC Current: 1 A
- UPS Battery: Capacity: 11.1V/10.4Ah (115.44Wh)
- Input: DC5521: 12.6V/2A
- Output: 4 x DC5521: 9-12.6V/6A Max
- Output: 1 x DC5521: 9V/2A Max
- Output: 2 x USB: 5V/2A Max
- Remote Power Cycle

## ENVIRONMENTAL

- Operating Temperature: -20C to 70C (-4 F to 158 F)
- Storage Temperature: -20C to SSC (-4 F to 185 F)
- Operating Humidity: 5% to 95%

## ROUTER

- Peplink MAX BR1 Mini
- Can extend router outside of enclosure to 50 Ft with an additional 15 Ft via an external antenna

## INTERFACES

- POTS Ports
- RJ21X Direct Punch down to 66 Block
- Up to 8 RJ11 Jacks

## SECURITY AND ENCRYPTION

- Firewall
- End-to-PSTN Encryption
- Proprietary Signaling Protocol
- VLAN Capable

## REGULATORY AND COMPLIANCE APPROVALS

- Permitted under NFPA 72 (National Fire Protection Association)
- Managed Facilities Voice Network (MFVN)
- Approved for Fire/Life Safety applications, including elevators and alarm systems
- Tested and extensively accepted by leading fire and burglar panel manufacturers
- HIPAA Compliant
- PCI Compliant
- RoHS
- UL 60950-1, UL 62368-1, and UL 2054 listings

## INCLUDED ACCESSORIES

- North American power cord
- Wall mount screw pack, 66-Block and bracket

## COUNTRY OF ORIGIN

- Assembled in the United States

## WE ARE BCN

A communication technology solutions provider with the flexibility and experience to address every need uniquely. Creating tailored solutions based on the portfolios of 100+ 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.