Safeline℠ Alert+

FUTUREPROOF FIRE, LIFE & SAFETY

SafeLine Alert+ is a next-generation POTS replacement solution that is more reliable, scalable, and affordable than traditional copper-based solutions, making it ideal for mission-critical applications.

Safeline is the #1 POTS replacement solution fully compliant with the FCC's new mandates and the decommissioning of copper phone lines by all major carriers, making it the perfect choice for organizations looking to upgrade from their analog infrastructure.

Improved Reliability & Features at a Much Lower Cost

The Federal government is now allowing prices to be raised on the analog POTS lines serving your FLS systems as a way to eventually eliminate all POTS lines. You can replace these costly analog lines with digital services that are inherently more reliable and feature-rich.

Turnkey Managed Services

All of your FireLife Safety needs of your business are now provided as a new managed service with 24/7/365 Real Time Monitoring of all your alarm, elevator, access control and fax lines.

Real-time Transport & Power Failover

Real-time Back-Up Wireless Broad-band can be provided to best ensure round the clock availability of your most critical services when most needed. Real-time battery backup in the case of office electrical power outages.

Federal, State & Local Compliance

SafeLine meets all the State and Federal standards, codes and certifications to provide lines for Fire Alarms, Security Alarms, Elevators, Access Control, and Fax. This includes compliance with NFPA 72 as an MFVN (Managed Facilities-based Voice Network), UL-864 (Standard for Control Units and Accessories for Fire Alarm Systems), HIPAA, PCI

A modern, affordable alternative to POTS

☑ FLS without the slow-to-install, aging, expensive copper infrastructure.

☑ Lingo's solution combines DataRemote's trusted hardware endpoints and its SIPBand network, for reliable, managed VoIP-based analog phone lines that connect to new or existing FLS and other critical services.

What's included

- Analog-to-VoIP FXS gateway with simple, transparent, per line pricing
- Professional installation and connection to existing analog endpoints
- Proactive monitoring and managed support 24x7x365
- Elimination of costly analog wireline services
- Totally managed, hassle-free service

Features

- Analog POTS line replacements
- Caller-ID
- E-911 Support
- Integrated Battery backup
- Cellular 4G/LTE backup support

Analog services eligible

- Security/Sensor Fire Alarms –other than Fire Alarm connected directly to the fire panel
- Fire alarms connected directly to the fire panel
- Elevators lines
- Point of Sale – for point of sale payment systems not related to pumps.
- Data monitoring and payment systems associated with gasoline or other liquid or gaseous substances
- Data Transaction Lines - ATM and other
- Access – for pool and gate/access lines outside the building premises
- Fax – for fax use only.

Equipment options

CDS-9090
- 8 RJ-11 FXS port
- 1 RJ-45 WAN port
- 4 RJ-45 LAN port
- LTE Dual SIM
- Wi-Fi
- SFP port
- 12 hr battery backup
- Multiple Failover Options

DRI-9080
- RJ-11 8 FXS port
- 1 RJ-45 WAN port
- 1 RJ-45 LAN port
- Plug and Play
- LED Lights

CDS-9070
- 23 RJ-11
- 4 LAN
- 1 WAN
- Wi-Fi
- LTE Dual SIM
- ATT & T-Mobile
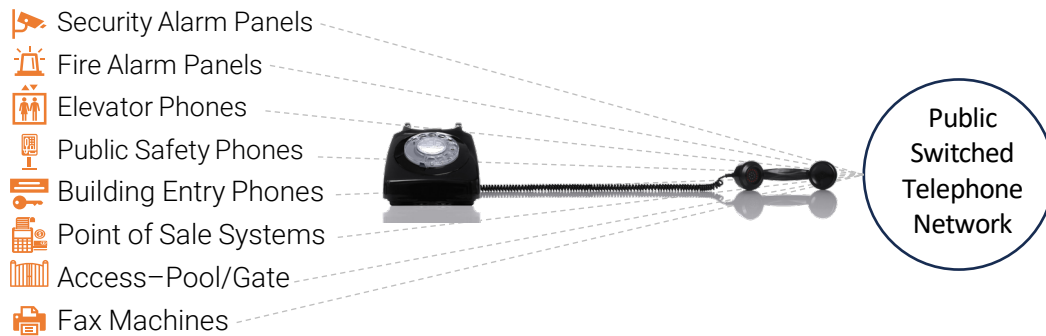- 12 hr battery backup
- Multiple Failover Options

CDS-9010B
- 2 RJ-11 FXS port
- 1 RF-45 WAN port
- 2 RJ-45 LAN port
- LTE Dual SIM
- Wi-Fi
- 24 hr battery backup
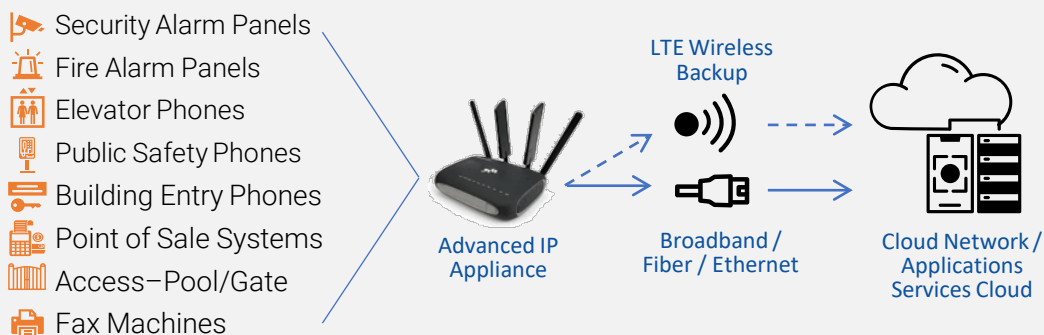- Multiple Failover Options

How Safeline Alert+ Works

Currently: Each FLS and specialty lines requires a dedicated, analog copper connection

- Security Alarm Panels
- Fire Alarm Panels
- Elevator Phones
- Public Safety Phones
- Building Entry Phones
- Point of Sale Systems
- Access–Pool/Gate
- Fax Machines

Public Switched Telephone Network

Safeline Alert+: FLS & specialty lines routed over IP network with wireless network failover

- Security Alarm Panels
- Fire Alarm Panels
- Elevator Phones
- Public Safety Phones
- Building Entry Phones
- Point of Sale Systems
- Access–Pool/Gate
- Fax Machines

LTE Wireless Backup

Advanced IP Appliance

Broadband / Fiber / Ethernet

Cloud Network / Applications Services Cloud

Safeline Alert+ uses an enterprise-grade IP appliance that connects to your analog telephone and specialty lines, and analog traffic is converted to IP and sent over a VoIP network.

Instead of having multiple dedicated lines that are connected to the Public Switched Telephone Network (for example, one for voice, one for point-of-sale transactions, one for your emergency call box, etc) these lines plug into a single device that converts the analog signal to a digital one.

Consolidating voice and network traffic can reduce costs and simplify management. Safeline Alert+ directs your traffic to a highly secure and highly reliable network and routes traffic for your specialty lines (such as analog data, alarms, elevator lines, and fax) to the Applications Services Cloud.
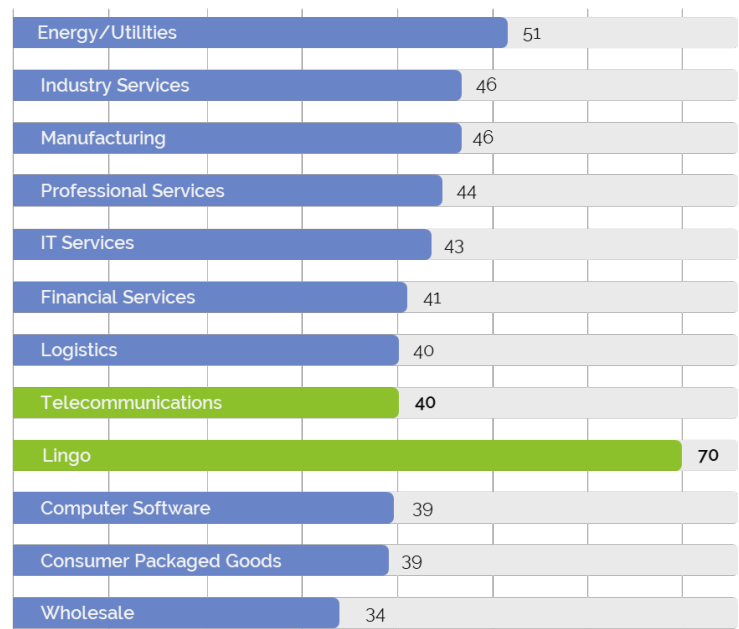
POTS Replacement at Enterprise Scale

Lingo has the nationwide scale to deploy a fully-managed service for all of your life safety systems, for <u>every</u> site.

"How likely are you to recommend our business to a friend or colleague?"

No one does it better. With over two decades of service delivery experience, Lingo's project management and incident response NPS score is significantly above the telecom industry average.

Here's why: we're all about continuous improvement. We measure continuously and act on feedback by improving our work processes.

Net Promoter Score (NPS) by Industry
Lingo NPS Score 2022-2023

Industry	Score
Energy/Utilities	51
Industry Services	46
Manufacturing	46
Professional Services	44
IT Services	43
Financial Services	41
Logistics	40
Telecommunications	40
Lingo	70
Computer Software	39
Consumer Packaged Goods	39
Wholesale	34

Industry data source: CustomerGauge

Service Deployment and Project Management Designed for a 100% Acceptance Rate

When you put your trust in Lingo you get a detail-focused, highly experienced, dedicated project team handling every aspect of your deployment.

Site Surveys

Nationwide, experienced team of technicians will Identify site requirements and details prior to the start of your project.

Scope of Work

Sales engineers will determine the necessary equipment and support required.

Solution Design

Sales engineers will work within your Lingo dedicated project team to develop a comprehensive design and installation plan.

Project Plan Scheduling

Your dedicated project manager and project team will coordinate the deployment schedule with you and your Lingo on-site tech team.

Implementation Logistics Coordination

Your dedicated project manager and project team will get the right equipment and people where they need to be at the right time.

System Integrity and Ongoing Management

Your dedicated project manager will follow up to ensure you're completely satisfied with the deployment, and coordinate handoff to your Lingo client support teams.

![Lingo + bullseye logo]

Your Service Installation Experience

1. Service Conversion Plan

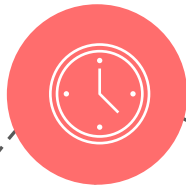### Call with Lingo Sales Engineer

Define & document and documenting the requirements that are related to your business objectives.

2 Days

2. Schedule Site Survey

Email Notification or phone call from Lingo

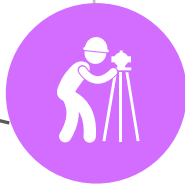You will receive an email or phone with your scheduled date for your site survey.

10-14 Days

3. Site Survey

You must be present on-site

- You or a designated company representative must be present on site.
- Expect our installation vendor on site to perform your site survey.

2 Days

4. Installation Scheduled

Email Notification or phone call from Lingo

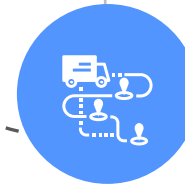You will receive an email or phone with your scheduled date for your site survey.

30 Days

5. Installation

You must be present on-site

- You or a designated company representative must be present on site.
- Expect our installation vendor on site to perform your site survey.

1 Day

6. Lingo Follow-up

Post installation service assurance call

Your Lingo Project Manager will call to verify the installation was made to your satisfaction.

Cellular Backup Router

This innovative solution uses IP communications including Cellular Data Networks to route traffic received to or from the PSTN to enable call origination or call completion to occur using various methods.

The **CDS-9010** Cellular/WAN/FirstNet appliance, If required (optional), permits connected devices to directly replace wireline analog Plain Old Telephone Service (POTS) lines and provide for multiple choices of access and connectivity.

Any application functionality that requires a traditional wireline, dial tone-based circuit may utilize the **NEW Advanced POTS in a BOX® 9010** for connectivity. Transmission options include the ability for both cellular data channels and other alternative internet access pathways to provide true failover and diverse routing for calls. Advanced optional capability provides for FirstNet Band 14 transmission access. Additional reliability in local power outage situations is provided by an internal 24-hour capable battery.

Support for location specific E-911 is also included.

This new Cellular/Wi-Fi/PSTN/FirstNet capable communications solution enables multiple combinations of legacy analog wireline to be carried over flexible combinations of WAN/LAN/LTE Cellular Data Network and (when optioned) FirstNet Band 14.

These Include: In-band Voice, Machine to Machine (M2M) Data, DTMF signaling tones, analog data modem tones, FAX and Alarm system signals (all previously connected to the Public Switched Telephone Network [PSTN]).

Features & Capabilities

- Direct plug & play Analog POTS line replacement
- (2) RJ-11 lines
- Integrated Router with 1 WAN port
- 2 wired Gigabit LAN Ports
- Support for legacy FAX Transmission
- Burglar and Fire Alarm Signal Transmission
- Ring-Down telephone line circuit
- Native Analog M2M Support
- Legacy Analog Modem support
- Automatic Utility Meter reading
- Telemetry command and control (SCADA)

- Emergency Responder Access
- SMB Router/Gateway
- Integral Wi-Fi (Host & Client)
- FirstNet Band 14 option
- LTE dual Cell carrier capable
- GPS capability option
- 24-Hour power failover battery
- One number dialer capable
- Elevator, Paging, Taxi phone line (Auto dial)
- Monthly managed voice service

Supported Services

Voice Over IP via LTE | FAX | Multi-protocol support for Fire and Security Alarms | Auto Dial call boxes (Ring Down) Legacy Analog data support for a wide variety of FSK enabled Modems | Point of Sale terminal | M2M and SCADA Vending machine communications | ATM Machine Data line | Utility Automatic Meter Reading | FirstNet Band 14 option

Safeline
Datasheet: CDS-9010

Interface

- 2 RJ-11 for FXS ports with Voltage Protection
- 3 RJ-45 Ethernet 1 WAN/2 LAN ports (10/100/1000 Mbps)
- Wi-Fi 2.4G (802.11 b/g/n, MIMO 300Mbps)
- Wi-Fi 5.0G (802.11 a/an/ac, MIMO 867 Mbps)
- 2 SIM Card slots (Dual Carrier)
- PCIE Card Interface
  (Peripheral Component Interconnect Express)
  USB 3.0/2.0
- Cellular LTE Radio Bands: 2,4,5,12,13,14,66,71
- 2 external antennas — 2.4G & 5G Dual Band Wi-Fi
- 2 antenna ports — SMA for LTE
- LED status indicators
- FirstNet (optional)

Power

- DC input (9VDC–16VDC) Barrel Plug
- AC Power Adapter: Input: 90~260V Output: 12V, 2A
- Battery: 4 or 8 cell 18650; Lithium ion
- Internal Battery Standby: Up to 24 Hours
- Hot-Swapable Battery
- Graceful shutdown (Sends battery Alert)

Environmental

- Operation Temperature: 0°C to +45°C (+32°F to +113°F)
- Storage Temperature: –5°C to +50°C (+23°F to +122°F)
- Relative Humidity: 5% to 95% Non-Cond.
- Shock: Impact tested to 75cm (30 inches) drop
       Meets GR-63-CORE standard

Physical

- 14 13/16" x 11 1/2 " x 3 3/8 " (LxWxH)
- 3.5 Lbs.
- CPU 880MHz, Dual Core
- RAM: 128MB
- Injection Mold Plastic Case, Black
- Mounting Bracket for Wall Mounting Included

Integrated Voice

- Voice over IP via LTE | VoIP
- DTMF: In-band, out of band
- PESQ > 4.3 (G.711); 3.7 (G.729)
- Echo Cancellation

Voice Call Features

- E911 Support
- Caller ID/CWCID
- 3-way conference
- Call hold, forwarding, transfer
- Call waiting
- Ring/Hunt groups

Management

- Web-Based Management Interface
- Customer Management Dashboard
- Line Status Monitoring with an Alert via Text
- Mass Device Management (TR-069)
- Flexible Plans for Required Managed Service
- Billing via Service Provider or Direct to Customer
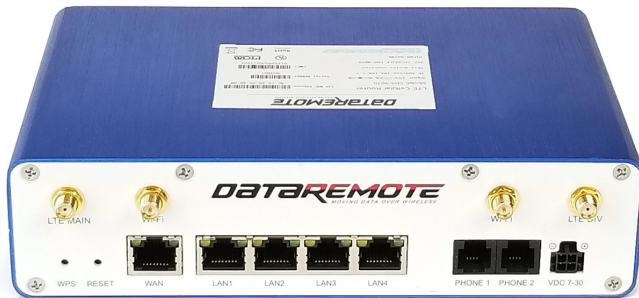
Optional Wired NAT Router

- DHCP Server and Client
- WWAN
- VPN
- Firewall

Cellular Backup Router

Any application functionality that requires a traditional wireline dial tone-based circuit may utilize **POTS IN A BOX**® for connectivity. Transmission options include the ability for both cellular data channel and other alternative internet access pathways providing true failover and diverse routing for calls. Additional reliability in local power outage situations is provided by an internal 24-hour capable battery.

Support for location specific E-911 is also included.

The **POTS in a BOX**® solution enables legacy analog wire-line in-band Voice, Machine to Machine (M2M) Data, DTMF signaling tones, analog data modem tones, FAX and Alarm system signals, currently connected to the Public Switched Telephone Network (PSTN), to be carried over IP internet connections including the LTE Cellular Data Network.

POTS IN A BOX® uses AT&T's Cellular Data Network to provide high levels of security and reliable cellular connectivity. A firewalled Network Operating Center (NOC) routes data received via IP and AT&T's LTE Network to or from the PSTN to enable call origination or call completion to occur using various methods.

POTS IN A BOX® is IP Cellular appliance that directly replaces wireline analog Plain Old Telephone Service (POTS) lines, work with IP Equipment and is an Enterprise full feature LTE Router.

Features & Capabilities

Direct plug and play Analog POTS line replacement supporting 2 lines (expandable up to 10 lines).

Integral Router with 1 WAN, 4 LAN Ports Support for legacy FAX transmission Burglar and Fire Alarm signal transmission Ring-Down telephone line circuit (Auto dial).

- One number dialer line
- Elevator, Paging, Taxi phone line

Analog M2M
- Legacy Analog Modem support
- Utility Automatic Meter reading
- Telemetry command and control (SCADA)

SMB Router/Gateway
- High speed Internet access including a 4-port wired LANstandard
- Wi-Fi wireless access standard

Supported Services

Voice Over IP via LTE | FAX | Multi-protocol support for Fire and Security Alarms | Auto Dial call boxes (Ring Down) Analog data support for a wide variety of FSK enabled Modems | Other legacy analog communications devices M2M and SCADA | High speed Internet access via LTE, Wi-Fi and WAN | Powered by AT&T

Benefits

- Analog POTS line replacement
- Calling Line Identification (CLID)
- E911 support with address ID transmission
- Managed Voice Service
- Individual Line status alerts via text and email
- Type approved 4G/LTE and 3G support (FCC,PTCRB)
- Integral Router with 1x WAN, 4x LAN Ports
- Integral Wi-Fi (Host and Client), 2.4GHz, 5GHz (802.11 b/g/n/ac)
- Industrial rugged metal case design
- Integrated battery back up unit
- Selectable service priority/Failover options
- Programmable settings for M2M minimum data usage

Application

- Any application functionality that requires a traditional analog wireline with CLID, E-911 support
- FAX transmission
- Burglar and Fire Alarm signal transmission
- Ring-Down telephone line circuit (Auto Dial)
  - One number dialer line
  - Elevator, Paging, Taxi phone line
- Analog M2M
  - Legacy Analog Modem support
  - Utility Automatic Meter reading
  - Point of Sale (POS) terminal line
  - Vending machine communication
  - ATM machines data line
  - Telemetry command and control (SCADA)
- SMB Router/Gateway
  - High speed 4G/LTE Internet access via a 4-portwired LAN
  - Wireless access via Wi-Fi

Wired NAT Router

- DHCP Server and Client
- WWAN
- VPN
- Firewall

Router Features

- VRRP
- VPN (PPTP, L2TP, IPSec, OpenVPN)
- Port Forwarding
- DMZ
- DDNS
- Static Routes
- SMS and Email notifications
- Packet tracer

Radios

- 4x external antenna ports: 2 LTE, 2 Wi-Fi
- Wi-Fi Host and Client

Cellular Wireless Module

- Quad-Band LTE-FDD B2/B4/B5/B17
- Dual-Band UMTS/HSDPA/HSPA+ B2/B5
- LTE -FDD/Rel-9 Cat3
- HSPA+ DC -HSPA+, Rel-10 HSPA+

Cellular Data Transfer

- LTE
  - Uplink up to 50 Mbps
  - Downlink up to 100 Mbps
- HSPA+
  - Uplink up to 5.76 Mbps
  - Downlink up to 42 Mbps
- UMTS
  - Uplink/Downlink up to 384 Kbps

Wireless/Wi-Fi

- Up to 4 SSID's per Radio
- Static/Dynamic WEP (64/128 bit)
- WPA, WPA2-PSK
- WPS
- Guest/AP isolation
- 20 and 40 MHz channels
- Wi-Fi scheduler
- Access Policy
- WDS

Cellular Backup Router

This innovative solution uses IP communications including Cellular Data Networks to route traffic received to or from the PSTN to enable call origination or call completion to occur using various methods.

The **CDS-9090** Cellular/WAN/FirstNet appliance, if required (optional), permits connected devices to directly replace analog Plain Old Telephone Service (POTS) lines and provide for multiple choices of access and connectivity.

Any application functionality that requires a traditional wireline or dial tone-based circuit may utilize the **NEW Advanced POTS IN A BOX®® CS-9090** for connectivity. Transmission options include both cellular data channels and other alternative internet access pathways. This provides true failover and diverse routing for calls. Advanced optional capability provides FirstNet Band 14 transmission access. Additional reliability in local power outage situations is provided by an internal 12-hour capable battery.

System also includes support for local E-911 services.

This New Cellular/Wi-Fi/PSTN/FirstNet capable communications solution enables multiple combinations of legacy analog wire-line to be carried over flexible combinations of WAN/LAN/LTE Cellular Data Network and (when optioned) FirstNet Band 14. These Include: in-band Voice, Machine to Machine (M2M) Data, DTMF signaling tones, analog data modem tones, FAX and Alarm system signals (all previously connected to the Public Switched Telephone Network [PSTN]).

Features & Capabilities

- Direct Plug & Play Analog POTS Line Replacement
- (8) RJ-11 Lines
- Integral Router with 1 Combo WAN/SFP Port
- 4 Wired Gigabit LAN Ports
- Support for Legacy FAX Transmission
- Burglar and Fire Alarm Signal Transmission
- Ring-Down Telephone Line Circuit
- Native Analog M2M Support
- Legacy Analog Modem Support
- Automatic Utility Meter Reading
- Telemetry Command and Control (SCADA)

- Emergency First Responder Access
- SMB Router/Gateway
- Integral Wi-Fi (Host & Client)
- Option for FirstNet Band 14
- LTE Dual Cell Carrier Capable
- GPS Capability Option
- 12-Hour Power Failover Battery
- One Number Dialer Capable
- Elevator, Paging, Taxi Phone Line (Auto dial)
- Monthly Managed Voice Service

Supported Services

Voice Over IP via LTE | FAX | Multi-protocol support for Fire and Security Alarms | Auto Dial Call Boxes (Ring Down) Legacy Analog Data Support for a Wide Variety of FSK Enabled Modems | Point of Sale Terminal | M2M and SCADA Vending Machine Communications | ATM Machine Data line | Utility Automatic Meter Reading | FirstNet Band 14 option

Interfaces

- 8 RJ-11 for FXS ports
- 5 RJ-45 Ethernet 1 WAN/4 LAN ports (10/100/1000Mbps, SFP)
- Wi-Fi 2.4G (802.11 b/g/n, MIMO 300Mbps)
- Wi-Fi 5.0G (802.11 a/an/ac, MIMO 867 Mbps)
- 2 SIM Card slots (Dual Carrier)
- PCIE Card Interface
  (Peripheral Component Interconnect Express)
  USB 3.0 & 2.0
- Cellular LTE Radio Bands: 2,4,5,12,13,14,71
- 6 external antenna ports
  2@LTE 0 | 2@LTE 1 | 2@Wi-Fi 2.4G & 5G Dual Band Wi-Fi
- LED status indicators
- Power & Battery master switch
- FirstNet (optional)

Power

- DC input (7VDC-16 VDC) 5-Pin locking plug
- AC Power Adapter: Input: 90~260V Output: 15V, 3A
- Battery: 7.4vdc; 10000mAh/74Wh; Lithium ion
- Internal Battery Standby: 12 Hours
- Hot-Swappable Battery
- Graceful Shutdown (Sends battery Alert)

Environmental

- Operation Temperature: -5°C to +50°C (+23°F to +122°F)
- Storage Temperature: -5°C to +50°C (+23°F to +122°F)
- Relative Humidity: 5% to 95% Non-Cond.
- Shock: Impact tested to 75cm (30 inches) drop
          Meets GR-63-CORE standard

Physical

- 13" x10"x 3" (LxWxH)
- 7.5 Lbs.
- CPU A7, Quad core processor
- RAM: 256 MB
- Aluminum extrusion case, Black
- Mounting bracket for wall mounting included

Integrated Voice

- Voice over IP via LTE
- VoIP
- DTMF: In-band, out of band
- PESQ > 4.3 (G.711); 3.7 (G.729)
- Echo Cancellation

Voice Call Features

- E911 Support
- Caller ID/CWCID
- 3-way conference
- Call hold, forwarding, transfer
- Call waiting
- Ring/Hunt groups

Management

- Web-Based Management Interface
- Customer Management Dashboard
- Line Status Monitoring with an Alert via Text
- Mass Device Management (TR-069)
- Flexible Plans for Required Managed Service
- Billing via Service Provider or Direct to Customer

Optional Wired NAT Router

- DHCP Server and Client
- WWAN
- VPN
- Firewall

Cellular Backup Router

The **POTS in a BOX® DRI-9080** directly replaces wireline analog Plain Old Telephone Service (POTS) lines and permits uninterrupted, fast and reliable bi-directional Voice over Internet Protocol (VoIP) call completion without the need for wireline "dial tone" to transport the call including traditional analog voice telephone service, E-911 traffic, FAX, and Burglar & Fire Alarm traffic. Any application functionality that requires a traditional wireline dial tone based circuit may utilize **POTS in a BOX®** for connectivity.

The **POTS in a BOX®** solution enables legacy analog wireline in-band Voice, Machine to Machine (M2M) Data, DTMF signaling tones, analog data modem tones (FSK and PSK), FAX and alarm system signals, currently connected to the Public Switched Telephone Network (PSTN), to be carried over a IP data network.

Velocity offers a comprehensive suite of flexible cloud-based features that can increase productivity at every business level for the Enterprise. Manage all services and group/user features from our customer facing, web-based portals. We deliver outstanding voice quality and reliability through our network by housing our server stacks in diverse, geo-redundant data centers in New Jersey and Texas.

Our data centers provide the optimal level of security and high availability IP connectivity through multiple carrier backbones and multi-tiered power backups. Investing in this solid architecture and managing all network components with our advanced monitoring tools and highly skilled engineering and support staff means that we deliver the highest level of service.

Key Features & Benefits

- DRI-9080 POTS in a BOX®
  - Analog POTS line replacement
  - 8 FXS line ports: Calling Line Identification(CLID), E911 support with address IDtransmission
  - CallForwarding, Donot Disturb, Ringand Hunt groups
  - Monthly Managed Voice Service
  - Individual Line status alerts via text and email

- Integral Router with 1 WAN, 1 LAN Ports
- Plug & Play Install

- Voice
- Analog Data
- Alarm
- FAX

Supported Services

VoIP | Auto Dial call boxes (Ring Down) | FAX | Contact ID support for Fire and Security Alarms | M2M & SCADA
Analog data support for a wide variety of FSK enabled Modems | Other legacy in-band analog communications devices

Application

- Any application functionality that requires a traditional analog wireline with CLID, E-911 support
- FAX transmission
- Burglar and Fire Alarm signal transmission
- Ring-Down telephone line circuit (Auto dial)
  - Elevator, Paging, Taxi phone line
- Analog M2M
  - Legacy Analog Modem support
  - Utility Automatic Meter reading
  - Point of Sale terminal line
  - Vending machine communication
  - ATM machine data line
  - Telemetry command and control (SCADA)

Network Features

- NAT/NAPT Router function
- MAC Address Cloning
- DHCP Server
- PPTP/L2TP VPN
- PPPoE
- SIP proxy redundancy – dynamic via DNS SRV, A records
- NAT Traversal by STUN
- DMZ
- QoS with Layer 3
- DHCP Client and DHCP Server
- IP conflict detection

Call Features

- 3-way Conference
- Music on hold
- DTMF Relay: In-band, Out-band and SIP INFO
- Call Hold/Forwarding/Mute/Transfer/Waiting
- Speed Dial
- Caller ID and CWCID
- Hotline
- Real time fax over IP via T.38
- T.30 FAX with G.711
- Dial Plan
- Black List
- Call Log

Physical

- CPU Core: MTK MT7621A
- 16 MB Flash
- 256 MBSDRAM

Power

- AC Power Adapter - Input: 100~240V, 50~60Hz
- DC Output: 12V, 2A

Interfaces

- 2 RJ-45 for 10/100/1000M Ethernet Ports
- 4/8 RJ-11 for FXS Port

Environment

- Operation Temperature: -5°C~45°C
- Storage Temperature: -25°C~ 85°C
- Relative Humidity: 10%~90% No Condensing

Audio Codec

- G.711 (A-Law, μ-Law) with PAMS above 4.3
- G.729A/AB with PAMS above 4.0
- Adaptive Jitter Buffer Management
- Comfort Noise Generation
- Echo Cancellation
- DRI FAX
- Real time FAX over IP

Protocols

- SIP V2 (RFC 3261,3262,3263,3264)
- Backward Compatible with RFC2543
- STUN (RFC 3489)
- DHCP
- HTTP Server for Web Management
- TFTP/HTTP/HTTPS for Auto Provisioning
- DNS/DNS SRV (RFC1706 and RFC 2782)

Management

- Firmware Upgradeable
- Web Management Interface
- Local and Remote Syslog (RFC3164)
- Auto Provisioning
- SNTP Time Synchronization
- Multi User Level
- SNMPv2
- TR069