POTS IN A BOX® DRI-9080

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

Questions? Check out velocitymsc.com/service/pots-in-a-box/ **for more details.**

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

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