POTS in a BOX ®

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 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® CDS-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. Additional reliability in local power outage situations is provided by an internal 12-to-24-hour capable battery. Support for location specific E-911 is also included.

The NEW Advanced POTS IN A BOX® CDS-9010

This new Cellular/Wi-Fi/PSTN capable communications solution enables multiple combinations of legacy analog wireline to be carried over flexible combinations of WAN/LAN/LTE Cellular Data Network. 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)
- LTE Dual Cell carrier capable
- GPS capable
- Up to 24-Hour power failover battery
- One number dialer capable
- Elevator, Paging, Taxi phone line (Auto dial)

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

Sales: 305-521-7400
Support: 1-800-848-1617

Email: sales@dataremote.com

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DataRemote® CDS-9010 | Revised August 2020

Interfaces

- 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 (Multi Carrier)
- PCIE Card Interface (Peripheral Component Interconnect Express) USB 3.0 & 2.0
- Cellular LTE Radio Bands: 2, 4, 5, 12, 13, 66, 71
- 2 external antennas — 2.4G & 5G Dual Band Wi-Fi
- 2 antenna ports — SMA for LTE
- LED status indicators

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

Certifications
- Listed device: UL 60950-1
- Listed battery: UL 2054

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
- Ringdown

Optional Wired NAT Router

- DHCP Server and Client
- WWAN
- VPN
- Firewall

Management

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

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