

POTS Replacement Solution Powered by AT&T - CDS 9090 Appliance



Front View



Back View

The CDS-9090 cellular/WAN appliance is designed to directly replace wireline analog plain old telephone service (POTS) lines and provides a variety of options for connectivity. The appliance routes traffic received to or from the public switched telephone network (PSTN) to enable call origination or call completion to occur using various methods. Dial tone-based circuits may utilize the CDS-9090 for connectivity for any application functionality that requires a legacy wireline. To ensure failover and diverse routing, transmission options include the ability for both cellular data channels and other alternative internet access pathways. An internal 12-hour capable battery is included.

The CDS-9090 cellular/WAN appliance makes it easy for various combinations of wireline to be carried over flexible combinations of WAN/ LAN/LTE cellular data network, including 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 PSTN).

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
- Band 14 option

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
- Graceful shutdown (sends battery alert)

VOICE CALL FEATURES

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

INTERFACES

- 8 RJ-11 for FXS ports
- 5 RJ-45 Ethernet 1 WAN/4 LAN ports (10/100/1000Mbps, SFP)
- 2 SIM card slots
- Cellular LTE radio bands –2,4,5,12,13,14,71
- 4 SMA antenna ports –2 cellular, 2 WIFI
- LED status indicators
- Power and battery master switch

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 Integrated voice
- DTMF: In-band, out of band
- PESQ > 4.3 (G.711); 3.7 (G.729)
- Echo cancellation

PHYSICAL

- 13" x 10" x 3" (LxWxH)
- 7.5 Lbs
- Aluminum extrusion case (black)
- Mounting bracket for wall mounting included

FEATURES & CAPABILITIES

- Analog POTS line replacement
- (8) RJ-11 lines
- Integrated 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
- Legacy analog modem support
- Automatic utility meter reading
- Telemetry command and control (SCADA)
- LTE dual SIM capable
- GPS capability option
- 12-hour power failover battery
- Elevator, paging, taxi phone line (auto dial)

Ready to find out more? Contact us at **888-389-2899**, email sales@airespring.com, or visit our website at www.airespring.com.

