

AT&T Phone for Business – Advanced CDS-9090



This new cellular/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)).

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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 appliance 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 9090 for connectivity. Transmission options include the ability for both cellular data channels and other alternative internet access pathways. This provides true failover and diverse routing for calls. Additional reliability in local power outage situations is provided by an internal 12-hour capable battery.

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

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" x10" x 3" (LxWxH)
- 7.5 Lbs
- Aluminum extrusion case (black)
- Mounting bracket for wall mounting included

Voice call features

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

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)

Features and 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)

For more information contact your AT&T representative.