DataRemote 90X2

The 90X2 provides flexible connectivity options catering to diverse communication needs. With its LTE/WAN Wired Router capabilities and automated internet failover, the device ensures all critical equipment previously connected or dependent on the Public Switched Telephone Network (PSTN) can communicate via the integrated ATA with enhanced line support.

The 90X2 leverages its integrated battery backup and patented UPS power output capabilities to ensure power is provided to an approved third-party device in the event of a loss of power.

The 90X2's integrated ATA enhanced line features support Machine-to-Machine (M2M), analog wireline in-band voice, FAX, alarm signals, etc.

DataRemote's innovative solution delivers an always-on experience even during power or Internet outages providing unmatched reliability no matter the conditions.



Key Features & Capabilities

Voice Lines

VoIP module certified on key VoIP platforms for interoperability

Up to 48 HR Battery

Powerful 18-cell lithium battery for extended operation without A/C power

Cellular Internet

LTE cellular primary failover internet for resilient internet connectivity

Location Services

GNSS to provide advanced location services

Enhanced Lines

DataRemote proprietary analog POTS replacement technology

Device Management Portal

ARA device management portal user interface and API for system integration

In-house Development

All software developed in-house for improved agility, security, and product quality

UPS Backup

Provides power from battery to external device (cordless phone, internet gateway, etc.)

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608 Robin Rd.
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Interfaces

- Cellular LTE Radio Bands: 2,4,5,12,13,14,66,71
- Covers most mainstream North America carriers
- 8 x RJ-11 FXS ports with surge protection
- 3 x RJ-45 Ethernet
  - 1 x 2.5GbE WAN/LAN port(s)
  - 2 x 1GbE LAN Port(s)
- USB type-A port
- 2 x SIM card slots - 2FF
- 2x SMA antenna port(s) - LTE/GNSS
- UPS power output for approved devices
- LED status indicators & reset button

Power

- DC input 19VDC, 4A barrel plug
- AC power adapter
  - output: 19V, 3.3A
- UPS power output for approved devices
  - 12VDC, 4.0A
- Battery: 18 Cell 15Ah; Lithium-ion
- Internal battery standby: up to 48 Hours*
- Graceful shutdown (Sends battery Alert)

Environmental

- Operation temperature: 0° C to + 40° C (32° F to 104° F)
- Storage temperature: -40° C to + 70° C (-40° F to 158° F)
- Relative humidity: 10% to 90% non-condensing
- Height: 4.5”
- Depth: 6.00”
- Width: 9.8”

Cellular Specifications

Variant		
LTE	LTE Category LTE Bands	LTE CAT 4 B2/B4/B12/B13/B14/B66/B71
UMTS	WCDMA Bands	B2/B4/B5

*Battery actual time may vary based on usage

Call Features

- Ring-down capable
- DTMF: in-band, out of band
- Audio support (G.711 & G.729)
- Echo cancellation (G.168)
- CPC - Calling Party Control
- E911 support with geo-location
- TTY/TRS capable
- Caller ID/CWCID
- 3-way conference
- Call hold, forwarding, transfer, waiting

Management Capabilities

- Developer API for device integration
- Secure/restricted web-based management
- Mass device management and provisioning
- Line status monitoring with alert capabilities

Optional Wired NAT Router

- SD-WAN
- QoS for VoIP
- IP Pass-through
- Port Forwarding
- DHCP server and client

Certifications

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