Copper Line Replacement, Secure Fax and Managed Installation

Code-Compliant Life-Safety Communications for Your Business



Why MIX NETWORKS?

Businesses across every industry are facing a hard deadline. Carriers are retiring copper Plain Old Telephone Service (POTS) infrastructure, and remaining lines are climbing toward $100 to $200 per line each month. Those same lines carry your business's most critical circuits: fire alarm communicators, elevator emergency phones, emergency call boxes, access control entry, E-911, and analog fax. MIX Networks replaces aging copper with a secure, managed, code-compliant digital path without requiring a forklift upgrade of your existing equipment.

MIX Networks is a Managed Facilities-based Voice Network (MFVN) provider. That means we deliver a fully managed, monitored, and supported copper replacement that's engineered specifically for life-safety and analog applications, backed by carrier-grade redundancy and the certifications that authorities having jurisdiction (AHJs) require.

Built for Life-Safety

Our solution is purpose-engineered for fire alarm panels, elevator lines, and emergency call boxes. It's not a generic ATA adapter.

Always-On Continuity

Up to 48 hours of battery backup plus 4G/5G cellular failover keep your critical lines up even during extended outages.

Budget Predictable

Fixed monthly per-line pricing on 12 to 60 month terms means no more surprise bills or unpredictable copper cost increases.

Copper POTS Line Replacement

The core of a facility-wide digital transformation

The 90X1 and 90X2 (POTS-IN-A-BOX®) are next-generation devices that replace traditional copper landlines with a secure, IP-based connection delivered over your facility's existing broadband or fiber, with 4G/5G cellular as a built-in backup path. Each unit provides up to eight analog (FXS) ports, so a single device can carry multiple lines including voice, fax, alarm, elevator, pool phone, modem, and ring-down circuits, all while the analog equipment already installed at your building continues to operate unchanged.

Compliance-Forward

The 90X1 and 90X2 are UL 864 (10th Ed.) and UL 62368-1 compliant, meet NFPA 72 architecture requirements, are listed by the CA State Fire Marshal, and are FDNY MFVN-recognized.

Fully Managed

We develop our firmware in-house and provide 24/7 monitoring, secure remote management, and U.S.-based support.

Turnkey Delivery

From pre-installation site survey through staging, field installation, cross-connect, and test-and-turn-up, we coordinate every step so you don't have to.

Why Your Business Can't Wait

- **Copper is being retired** — Carriers are actively decommissioning copper under the FCC's copper-retirement framework. Lines are getting more expensive and harder to repair.
- **Life-safety lines are at risk —** Fire alarm, elevator, and emergency call-box circuits running on failing copper create real compliance and liability exposure for your business.
- **Costs keep climbing —** At $100 to $200 per line per month across multiple branches, POTS has become a substantial and unpredictable budget line item.
- **Multi-community footprints need a smarter solution —** Businesses run analog lines across branches, warehouses, retail locations, and administrative offices. That's exactly the environment our managed, centrally monitored platform is built for.

One Device, Every Critical Facility Line

The 90X1/90X2 supports every circuit your facility depends on:

- Fire Alarm Panels
- Elevator Emergency Phones
- Emergency Call Boxes
- Paging
- Voice & Ring-Down Lines
- POS and Vending
- Burglar / Security Alarms
- Analog Fax
- Access Control and Door Entry
- Legacy Modems & Data
- Gate and Door Access Boxes
- Telemetry, Command & Control
- Pool and Area-of-Rescue Phones

Business Continuity That Beats Copper

DATAREMOTE's 90X1 and 90X2 devices deliver next-generation POTS line replacement technology built for critical services that require absolute reliability. They replace traditional copper landlines with secure, IP-based connections over broadband, fiber, or cellular while maintaining full compatibility with your legacy equipment.

Carrier-Grade Redundancy

Traffic is anchored across geo-redundant data centers in Dallas, Secaucus, Lakeland, Ashburn, and Las Vegas with N+1 power and a 99.999% uptime target.



Up to 48-Hour Battery Backup

A large 18-cell lithium battery keeps critical lines operational through extended power outages, well beyond what a typical UPS can provide. It can also power external devices via UPS output.

Proactive 24/7 Monitoring

We monitor device health, connectivity, registration, and battery status around the clock. If something changes, we take action and notify you before it affects your facility.

4G/5G Cellular Failover

If your building's internet path goes down, the device automatically switches to cellular within seconds. Multi-carrier SIM options add a true layer of infrastructure diversity.

POTS Replacement: Compliance and Certifications

What your Authority Having Jurisdiction (AHJ) needs to see

For businesses of every size, compliance is the deciding factor. Fire alarm and life-safety communications are governed by NFPA 72 and enforced locally by your AHJ. MIX Networks' device sits at the demarcation point as a POTS line replacement, while the separately listed fire alarm control unit continues to function exactly as it was designed to.



Certifications & Listings

Engineered to Meet MFVN Standards

Standby Power Monitoring

Our devices meet the MFVN requirement for standby power at the protected premises. Battery condition is continuously monitored and any changes in state are reported automatically.

Signal Integrity

Voice and fire-alarm signals are transmitted in real time, carrying industry-standard alarm formats unchanged from the panel to the approved central station.

Secure by Design

Security is built in from the ground up, including TLS encryption, Secure SIP (TLS), HTTPS device UI, multi-factor authentication, and firewall defaults that block unauthorized remote access.

Managed Pathways

We provide proactive management, operation, and maintenance with disaster-recovery procedures and dual primary/secondary pathways to ensure assured reliability.

Important Compliance Note

Final approval always rests with the local AHJ. After installation, the telephone-service subscriber must have any connected alarm system tested by authorized fire-alarm service personnel per NFPA 72, Chapter 14, to confirm all signal-transmission features remain operational. MIX Networks coordinates this verification as part of the installation process. Listings and acceptances referenced here carry their own scope, conditions, and expiration dates.

- **California State Fire Marshal Listing —** The 90X1 and 90X2 are listed by the California Office of the State Fire Marshal under the Building Materials Listing Program (Listing No. 7305-2384:0002, Category 7305, Miscellaneous Signaling Equipment) for use with separately listed compatible fire alarm control units.
- **New York / FDNY MFVN Recognition —** MIX Networks holds a Conditional Letter of Acceptance from the FDNY Bureau of Fire Prevention recognizing us as a Managed Facilities-based Voice Network for transmitting fire alarm signals (Record ID 2025-TMFRAL-007143-VRNC) for the 90X1 and 90X2 models.
- **UL 864 (10th Ed.), UL 62368-1 and UL 2054 —** The devices comply with UL 864 (10th Edition) requirements for use with compatible fire alarm control units, and are additionally listed under UL 62368-1 for information and communication technology equipment safety, and UL 2054 for battery safety.
- **NFPA 72 Compliance —** The 90X1 and 90X2 address and satisfy 2016 NFPA 72 Chapter 26.6 and exceed the technical requirements of NFPA 72 (2025), providing primary and secondary pathways across both cellular and WAN connectivity.
- **FCC Part 68 and Part 15 —** The devices comply with FCC Part 68 / ANSI-TIA-968-B (REN up to 5.0) and Part 15, and are FCC and PTCRB certified with ETL labeling.
- **TAA Compliant —** All equipment is Trade Agreements Act (TAA) compliant, which supports the nonprofit, multi-community, and licensed-care procurement requirements common to senior care operators.

Secure Fax Solutions

Keep faxing where it's required, without the copper line

Businesses rely on fax for contracts, invoices and billing paperwork, insurance documentation, HR forms, and vendor communications. MIX Networks delivers an enterprise-grade Internet fax platform that modernizes fax delivery while preserving the reliability, security, and compliance your organization requires.

Flexible Deployment Options

Cloud Fax

Fully hosted, web-based faxing from any internet-connected device. No fax machine or fax line required.

Hybrid Model

Combines cloud management with local infrastructure for departments that need elements of both.

On-Premise ATA

Connects your existing fax machine securely over IP so staff workflows stay exactly the same.

Workflow Integration

Supports Email-to-Fax and Fax-to-Email, print-to-fax driver integration, and real-time delivery tracking.



Security & HIPAA-Aligned Controls

Customer records, financial documentation, and other sensitive business communications carry real privacy obligations. Our platform supports HIPAA and industry-standard technical safeguards when configured with proper access controls and retention policies, including:

- Secure web portals with authentication controls
- Protected document storage with encrypted transfers
- Audit-ready reporting with delivery confirmation
- Redundant infrastructure with intelligent routing and automatic retries

Installation & Site Survey

POTS replacement delivered as a complete, managed service

Every deployment starts with a structured site survey and is carried out by qualified field technicians. Sites are classified as Simple or Complex upfront so you know the scope, timeline, and cost before any work begins. Every install is photographed, tested, and documented, and nothing is marked complete until service is verified on each line.



What We Do

- **Pre-installation Site Survey —** We offer both remote and on-site surveys, and deliver a written Site Survey Report with recommended configuration before any truck rolls.
- **Provisioning & staging —** Full device configuration, SIM activation, and SIP registration are completed before equipment ships.
- **Cross-Connect & Test-and-Turn-Up —** We handle DMARC/66-block cross-connect with functional testing on every line.
- **Line-type Expertise —** We cover voice, fax, alarm, modem, elevator, nurse call and resident emergency pull-cord, and door-entry and access control.

- **Predictable 3-Stage Delivery —** Install Prep, Install/TTU, and Cross-Connect. Documented and repeatable across single sites or multi-branch rollouts.
- **Life-Safety Alarm Method —** We coordinate Test Mode, run a 60-second voltage-drop sequence, validate training calls, and confirm return to Normal Mode.
- **Elevator, Nurse Call, and Access-Control Engineering —** Includes MODEM-mode FXS, enhanced DID over a customized SIP trunk, and loop-current compensation for long copper runs across multi-wing buildings.
- **Highly Qualified Field Technicians —** Our techs are proficient in copper tracing, foreign-voltage detection, 66/110-block punch-down, and both analog and networking environments.



Pricing

MIX Networks MSRP: Business Reference Pricing

Pricing below is reference MSRP for budgeting purposes. Facility-specific pricing, volume considerations, and a detailed Statement of Work are provided after your site survey.

POTS Line Replacement: Monthly Service (Per Line, by Term)

SERVICE TYPE	12 MO	24 MO	36 MO	48 MO	60 MO
Specialty (Fax, Modem, Alarm, Data)	$49.95	$44.95	$39.95	$34.95	$29.95
Voice (Emergency Phones, Elevator)	$34.95	$29.95	$24.95	$22.95	$19.95

Hardware (Amortized Monthly, by Term)

ITEM	MSRP	36 MO
PIAB 90X2 Router (4G/LTE, 8 FXS)	$349.95	$12.00

**Includes 3-year warranty with amortization*

Add-Ons, Installation & Fees

ITEM	PRICE
Cellular Failover (4G/5G)	TBD or (Bring Your Own)
PIAB 90X2 Maintenance	$6.00 / mo per 90X2
Provisioning / Staging / Kitting	$45.00 one-time
Site Survey and Installation (hourly, 2 hr min)	$165.00 per hour

Fax Services

ITEM	PRICE
Fax Services (Virtual via MIX Fax Services Portal)	$15.95 / mo
Fax Services via MIX Fax Services ATA (Onsite Only)	$15.95 / mo
Fax Services via MIX Fax Services ATA (Onsite & Virtual)	$16.95 / mo
Fax ATA Hardware (MIX Fax Services)	$100.00 one-time

Site Survey and field installation are quoted per Statement of Work based on survey findings including remote vs. on-site, simple vs. complex, line count, and travel. MSRP updated 5/29/26. Pricing subject to change.

Ready To Get Started?

Schedule a site survey and we'll inventory your business's analog lines, identify all life-safety circuits, and deliver a location-by-location replacement plan with firm pricing.

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