

90X5

Modular business gateway and POTS line replacement

A modular gateway platform for POTS line replacement, wireless routing, internet continuity, and power backup. Designed for flexible deployments with scalable hardware modules and centralized Ara management.

- Carrier prioritization

5G with eSIM support

GNSS and E911

Internet backup

Ara remote management

Modular hardware

Modular Product Platform

WWAN Module

Core Gateway + ATA

Battery Pack & Charger

HARDWARE SPECIFICATIONS

Ethernet	4 x WAN/LAN, 1 Gbps; 2 ports with PoE
POTS	4 x FXS standard; optional 8 x FXS variant
Cellular	5G RedCap with LTE fallback; dual-WWAN capable
SIM	1 physical SIM + 1 eSIM
Location	GNSS and E911
Display	OLED for technician diagnostics
Power	USB-C PD input; UPS output
Battery	Standard 24-hour pack; 8-, 48-hour, or no-battery options

SOFTWARE PLATFORM

Enhanced line support for alarm, modem, and FAX

Multi-SIM ranking and advanced failover

AI-powered line auto-detection

Multi-LAN routing

Comprehensive API and push notifications

Stateful firewall with zone policies

OTA firmware updates via Ara platform

IPv6 support

WHY THE 90X5

- Future-proof by design

Upgrade individual modules as needs change instead of replacing the whole device.

Instant on-site diagnostics

OLED display gives install technicians immediate status feedback.
- Install where signal is best

PoE-powered WWAN module with hybrid antenna mounts remotely; no external antenna required.

Flexible port configuration

All 4 ports addressable via Multi-WAN/Multi-LAN; PoE ports power LAN accessories.
- eSIM zero-touch provisioning

Remote eSIM configuration and OTA SIM changes streamline staging, kitting, and operations.

Battery intelligence

Health and energy metrics with remote UPS monitoring; sub-100 Wh pack ships overnight.
- Dual-active cellular

Supports two WWAN modules for active-active Multi-WAN redundancy.

Compact and tailored

Smaller form factor; module combinations chosen per install, with movement and environmental detection.

MODULAR ARCHITECTURE

Cellular WWAN module

Removable 5G RedCap module for remote install via PoE Ethernet. Future variants: 5G NR Sub-6 WAN, Wi-Fi 6 with 2x2 MIMO.

Core gateway + ATA

4 x GbE with 2 PoE, 4 x FXS (8-port variant), OLED diagnostics, USB-C power. Future option: PDU module.

Power / battery charger

USB-C PD compliant with UPS output. 8-, 24-, or 48-hour packs, or a no-battery configuration.

Accessories: mounting brackets, 19V PSU, RJ11 / RJ45 cables, USB-C cable