

Intra

Mobile coverage from within
Powered by Ontix

Product Description

Intra 4G





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1. Product Overview

Ontix Intra 4G is a plug-and-play indoor mobile coverage solution designed for SMEs who need reliable indoor LTE coverage across an entire building — not just a few hotspot areas.

It is intended to deliver:

- Reliable indoor voice and data performance
- **Native MNO service** on standard devices (no roaming, no additional SIMs)
- A repeatable deployment model suitable for SME sites

In most target locations, Intra 4G is designed around a **single unit per site** for a simple, repeatable rollout. Where extended coverage is needed, **Intra 4G clustering** enables automated wide-area coverage across larger buildings.

2. Target Environments

Typical environments include:

- Retail and hospitality venues
- Clinics, small hospitals, and healthcare sites
- Schools, colleges, and education facilities
- Offices, business parks, depots, warehouses

Intra 4G is particularly well-suited to:

- Offices where mobile reliability is needed everywhere (calls, messaging, authentication)
- Buildings with patchy indoor macro coverage due to materials/layout
- Sites that want mobile coverage that complements existing enterprise IT (e.g., Wi-Fi)



3. The customer problem (why it matters)

Indoor coverage issues typically present as:

- Unreliable voice / dropped calls
- Slow data and inconsistent performance
- Dead spots inside the building

This impacts:

- Customer experience (public venues)
- Staff productivity and operational reliability (offices / logistics)
- Critical services such as 2FA, payments, and mobile apps that assume always-on connectivity

For many SMEs, the key requirement is simply: **mobile users can connect to their chosen network indoors with predictable performance.**

4. Solution Description

Intra 4G provides indoor LTE coverage using a compact indoor radio platform, engineered to be straightforward to deploy and **centrally operated by Ontix** as part of the managed service.



High-level architecture elements (simplified):

- Indoor radio unit(s)
- Local site connectivity via the **existing building LAN** (no special configuration required)
- Secure backhaul/tunnel to the operator environment
- **Ontix central operations:** monitoring, lifecycle management, and support



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What “plug-and-play” means (in practice)

- Radio units are **despatched ready to install**
- Simple wall or ceiling mounting options
- Connect to power + the building LAN, then the service is brought up through **auto / self-provisioning**
- Ontix then operates the service centrally (monitoring, updates, support)



Operator integration (UK)

- Intra supports UK MNO services
- **VMO2 integration is available today**, with further UK MNO integrations planned
- Commercially, this is delivered as an operator-integrated service, with one Intra radio unit per operator service



5. Key features & capabilities

- Indoor LTE coverage designed to reach the whole building
- Designed for a **repeatable SME rollout** (a standard approach you can deploy in the same way across many sites, without bespoke RF design each time)
- **Intra 4G clustering** supports growth by automatically extending wide-area coverage across larger buildings
- Secure operator backhaul/tunnelling model
- **Centrally operated managed service:** monitoring, lifecycle management, software/firmware updates, and support included
- Works alongside enterprise IT systems (e.g., Wi-Fi) to provide native mobile coverage

Why Intra vs RF Repeaters

- **Designed for consistent service** across the building (not just “amplifying whatever signal happens to be there”)
- Better suited to **managed, scalable deployments** with central monitoring and lifecycle management
- A more robust option for venues that need predictable performance rather than best-efforts coverage extension

6. What's involved?

Typical journey:

1. **Site readiness check** (confirm objectives + a few building basics: size/floors, construction, existing LAN availability, and any coverage pain points)
2. **Select the right option** (Intra 4G or Intra 5G NSA)
3. **Unit despatched for self-install** (or partner-led install, if preferred)
4. **Deploy and run (plug-and-play)** (typically a single unit per location; where extended coverage is needed, multiple Intra 4G units can be clustered to automate wide-area coverage)