

Mi-MEX

(MIMOS Multimedia Exchange)

Mi-MEX (MIMOS Multimedia Exchange) is a versatile wireless broadband infrastructure appliance designed to support high-speed connectivity and data exchange across multiple platforms. Wireless broadband and internet-related services should be deeply integrated into urban and emerging areas to foster smart communities and strengthen infrastructure. Mi-MEX can be deployed across diverse environments, enabling seamless communication, efficient data transmission, and reliable connectivity to power future-ready applications.



Technology Overview

Mi-MEX is a high-throughput, multi-radio mesh wireless broadband infrastructure appliance designed for multiprotocol connectivity. Beyond delivering wireless broadband access for residential areas, enterprises, communities, and metropolitan networks, Mi-MEX is a flexible backbone for wireless communication, empowering industries and communities with seamless connectivity. With deployment options such as Multi-Mesh, WiFi Access Point, Point-to-Point (PtP), and Point-to-Multi-Point (PtMP), it delivers cost-effective, scalable, and reliable broadband solutions tailored to diverse environments and future-ready applications.

Technology Benefits

Enabling Smart Cities at Metro Scale

Mi-MEX empowers metropolitan, municipal, and community networks to scale seamlessly across multiple mesh nodes, enabling city-wide or even state-wide deployments. Its modular design supports everything from simple WiFi hotspots to complex Metronets, delivering a flexible and cost-effective backbone for smart city infrastructure.

Broadband with Value-Added Services

Beyond connectivity, Mi-MEX integrates easily with environmental control systems and surveillance solutions. Equipped with sensor integration, it helps authorities and industries monitor regulations, enhance public safety, and unlock new business opportunities through data-driven services.

Key Features

- **Robust Design:** IP65-rated enclosure ensures reliable performance in harsh outdoor and demanding indoor environments.
- **Modular Flexibility:** Choose between wired or wireless backhaul, including WiFi, for adaptable deployment.
- **Seamless Quadruple Play:** Supports Mobility, Data, VoIP, and IPTV with smooth streaming and clear communication.
- **Smart Surveillance Ready:** Easily integrates with CCTV systems for centralised, real-time monitoring.
- **Intelligent Frequency Management:** 5GHz with Dynamic Frequency Selection (DFS) for stable, interference-free connectivity.

Applications

- **Smart Cities & Urban Infrastructure:** Supports public WiFi, IoT networks, and metro-wide mesh deployments for smarter municipal services.
- **Industrial & Enterprise Connectivity:** Provides a reliable backbone for factories, logistics, oil & gas, and plantations with remote monitoring and automation.
- **Public Safety & Surveillance:** Enables real-time video streaming and centralised monitoring for law enforcement and emergency response.
- **Rural & Remote Connectivity:** Extends broadband access to underserved communities, powering education, healthcare, and local economies.

