

Universal Converged Access Management

NetExperience: Your Competitive Edge in Modern Wi-Fi

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The Wi-Fi Industry Problem vs. The Solution

⚠️ The "Legacy Tax" Problem

- 🚫 Often plagued by legacy tech debt
- 🚫 Severe Vendor lock-in
- 🚫 High licensing costs (The "Tax")

✔️ The Solution

- ✔️ Open Architecture: Freedom from hardware lock-in
- ✔️ Modern Tech Stack: Faster feature velocity & AI integration
- ✔️ Significant cost-value benefits vs traditional vendors

OpenWiFi: Community-driven foundation & velocity.

Hardware Freedom: The Power of OpenLAN

- **Zero Vendor Lock-in:** Based on OpenWiFi standards.
- **Vast Ecosystem:** Supports a diverse set of TIP OpenLAN Access Points (APs) and Switches.
- **Future Proof:** Supports Wi-Fi 6, Wi-Fi 6E, and Wi-Fi 7.
- **Unified Management:** Manage APs, switches & gateways.



Choose the best hardware for any deployment and optimize CAPEX/OPEX.



Our 6-Year Journey to Create a Level Playing Field

2020

Architecting the
Modern, Cloud-Native

2022

uCentral 2.0
Platform

2024

Converged Switch
Management

2026

Strategic
Acceleration

2021

OpenSync 1.0
Launch

2023

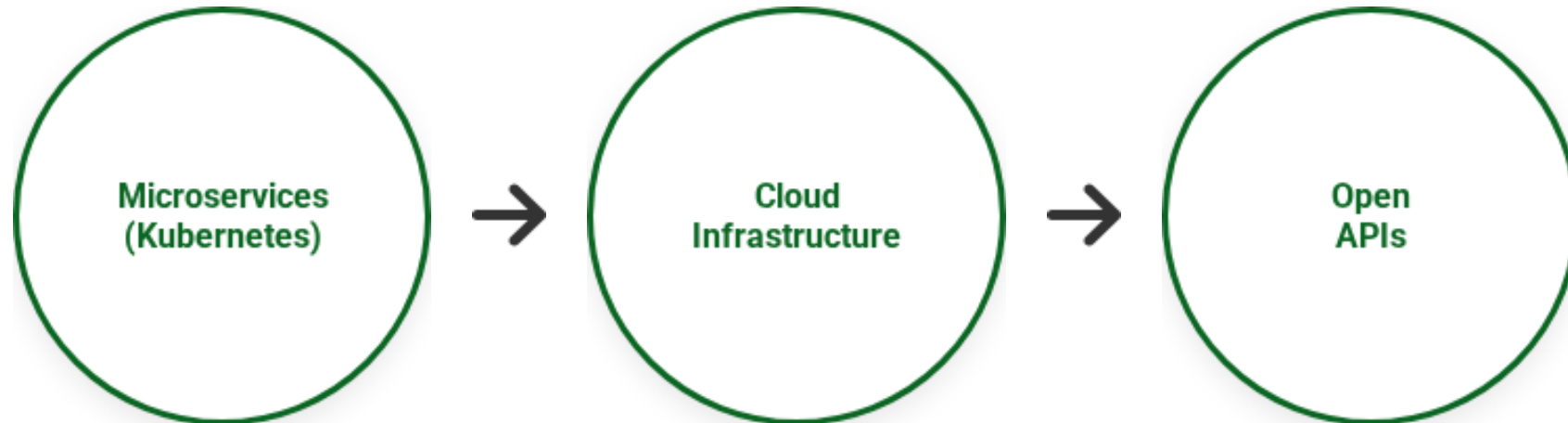
Initial MDU Field
Deployments

2025

Feature Parity



Cloud-Native Architecture: Agility & Scale



- Modern Kubernetes Microservices Architecture
- Cloud Agnostic: Runs on AWS, GCP, Azure, or OpenStack

- API Native: Open Platform for easy back-office integration
- Containerized, Elastic, Multitenant Architecture
- AI/ML Native (Not retro-fitted)

This foundation ensures proven availability, scalability, and quality.

Full-Stack Network Control and Expertise

WLAN Controller

- Auto Channel & Cell Size
- Client & Band Steering
- Mesh Capabilities
- Advanced QoS
- Radio Resource Management

Workflow Mgmt

- Location Hierarchy
- Configuration & Profiles
- Firmware Management
- Alarms, Analytics & History
- Troubleshooting Tools

Monetization

- Radius PSK (for MDUs)
- Location mPSK
- External Captive Portal
- OpenRoaming & Passpoint
- Billing Integration

Capitalizing on Market Friction



Proprietary Squeeze

External Scarcity: Global SoC and Memory shortages are driving lead times to 20+ weeks and causing price spikes.

Migration Debt: Forced vendor migration from legacy on-prem control planes to cloud is causing additional price increases for legacy users.



NetExperience Stability

Supply Agility: Multi-vendor silicon supply chains bypass the incumbent backlogs and single-vendor risk.

Cloud-Native ROI: Built from Day-1 as a horizontally scalable K8S platform. Stable TCO without forced migration costs.

Vertical Depth: Built for Multi-Tenant Services

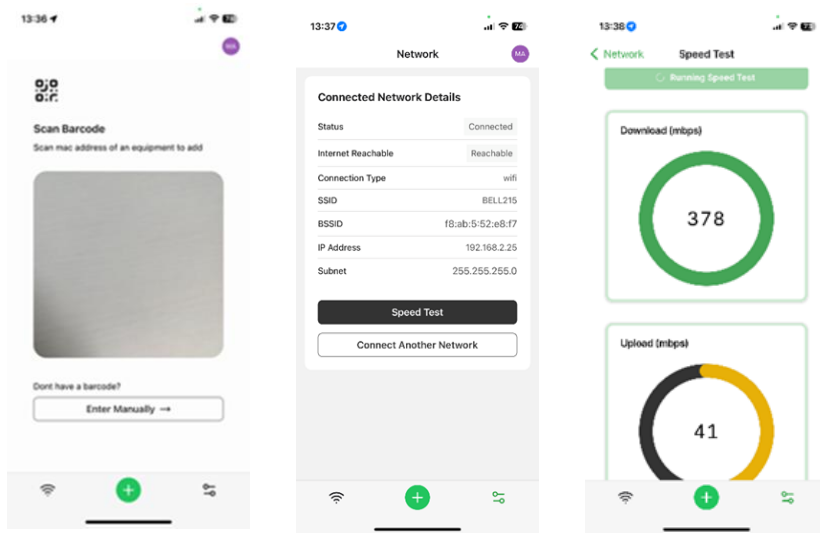
- **Superior Features:** Out-of-the-box support for MDU, Hospitality, and Schools.
- **Property Manager Portal:** Manages units, onboarding workflows, and delegation.
- **Resident Portal:** Enables tenant self-service for mPSK access, psk changes and guest SSID/control.
- **Simplified Access:** Supports Local or Radius based mPSK.



Mobile Apps for Deployment & Management

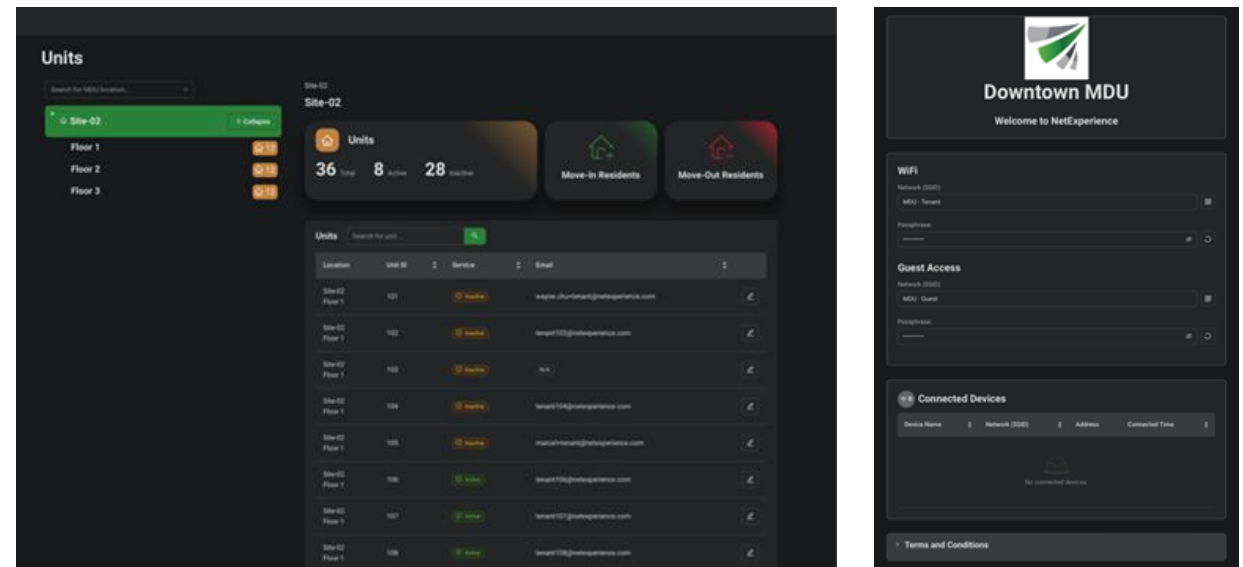
Installer App (For Technicians)

- Optimizes onboarding workflow.
- Enforces mandatory installation steps.
- Saves key data (timestamp, installer ID).



Network Mgmt App (For Admins)

- Identity-based secure login.
- No pre-configuration of APs required.
- Quick access to live AP and Switch status.



Security Game Changer: NetExperience SWG



Secure Wireless Gateway

- ✓ Provides Kernel-native content filtering
- ✓ Superior performance and lower latency than user-space apps
- ✓ Revenue Generator: Creates a high-margin Value Added Service (VAS)
- ✓ MDU Protection: Protects tenants from threats, right at the Edge of the network
- ✓ Privacy First: Telemetry Data Only (No User Data)
- ✓ Next-Gen DPI: Negligible Performance Impact



Universal Converged Access Management

Consolidating multiple network layers into a single management pane.



Fiber Stack

OLT & ONT / ONU

Direct management of the optical backhaul and termination nodes from the cloud.



Property Gateway

Router & Firewall

Integrated routing logic and stateful security policies at the property entrance.



Distribution

Enterprise Switch

Universal switching management for backhaul distribution and POE control.



The Edge

Wireless APs

High-performance OpenWiFi orchestration for the high-density wireless edge.



Carrier-Grade Resilience at Scale



Global Residential Footprint

Tier 1 Operations

Our architecture is being scaled for massive, nation-wide residential deployments. We manage vast networks with high-frequency telemetry, ensuring every node remains visible and secure.

-  Massively distributed cloud nodes.
-  Real-time bidirectional telemetry.
mTLS secured carrier-grade fabric.



Next Steps & Q&A

NetExperience is the premier cloud-based management platform, built for tier-one carriers and MSPs, and proven for availability, scalability, and quality.

Contact us to start your Enterprise Wi-Fi journey today!

Jack Raynor

www.netexperience.com