

 Unwired Edge Cloud OS

# Datasheet

## Unwired Edge Cloud OS

OpenWrt-based, secure operating system for modern industrial and mobile edge devices

## Feature List

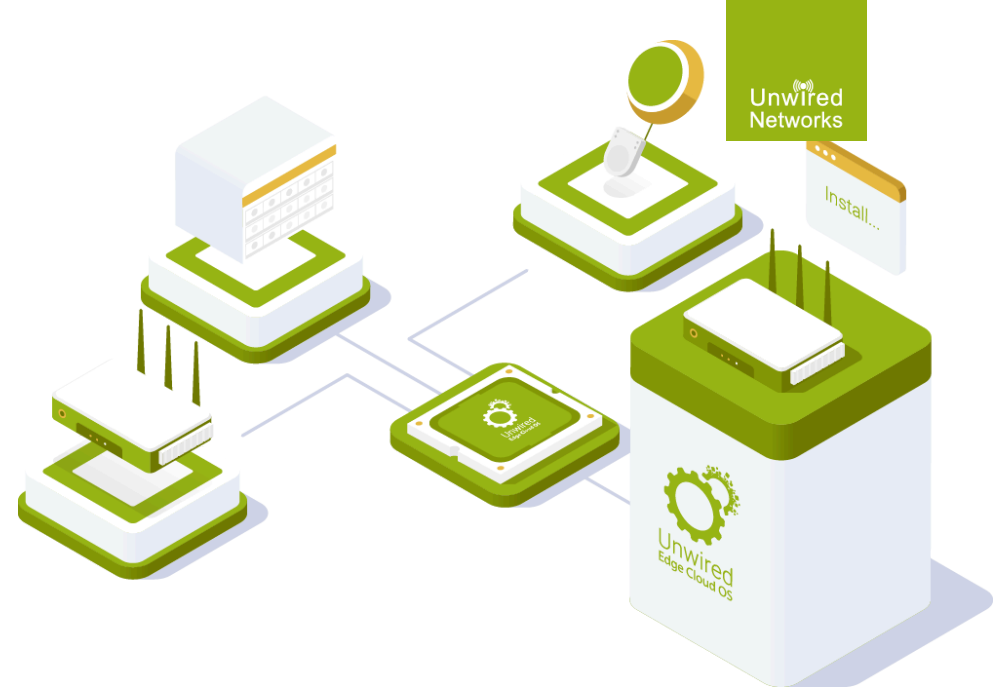
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#### Intro

Unwired Edge Cloud OS is a secure, OpenWrt-based Linux operating system for embedded edge systems in industrial and mobile networks. It combines secure commissioning, automated device management, and isolated application environments – ideal for long-term deployments and agile app updates.

#### Platform foundation

- OpenWrt-based operating system with a lifespan of over 10 years



- Supports MIPS, ARM, x86 and PPC architectures
- Regardless of limitations imposed by hardware manufacturers
- Secure development process
- Compliant with ISO 27001, ISO 9001, NIS2 and RED 3.3
- IEC 62443-4-2 and CRA compliance in preparation

#### Provisioning & Lifecycle

- Zero-touch onboarding with secure certificates
- OTA updates with rollback function and version control
- Cloud-based separation of OS, runtime environment, and configuration

## Connectivity & Control

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- Advanced modem stack: Roaming, SIM switching, band lock
- Native support for CloudLink WAN Bonding (Bondix)
- Failover routing for wireless and wired connections

## Container runtime environment & integration

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- Integrated support for OCI-compliant containers
- Secure isolation of edge workloads
- Compatible with Unwired Edge Compute orchestration

## Observability & APIs

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- Monitoring with OpenMetrics/Prometheus
- Full REST API and graphical user interface
- Cloud-native deployment and remote configuration

## Use cases

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- Edge computing and routing in public transport
- Upgradeable, manufacturer-independent router firmware
- Remote telemetry and deployment of containerized applications

## Technical features

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- Long-term firmware based on OpenWrt
- Secure key infrastructure and signed firmware
- OTA update framework with modular components
- Fleet management via CLI, API and graphical interface

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The logo for Unwired Networks features the word "Unwired" in a light green font above the word "Networks" in a darker green font. A stylized signal icon, consisting of a central dot with three concentric arcs above it, is positioned between the two words.

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