



# ONE INTEGRATED PLATFORM INFINITE SCALABILITY NEXT-GEN IOT OPERATING PLATFORM ACROSS INDUSTRIES.

# Unlock the Power of OmniWOT — Your All-in-One IoT Platform.

Discover the flexibility and control of OmniWOT, a unified IoT platform designed to simplify device management, real-time monitoring, and advanced analytics. Whether you're scaling operations or solving complex challenges, OmniWOT delivers the tools you need to streamline processes and drive business success

OmniWOT offers a powerful, **End-to-End IoT platform** designed to streamline **device onboarding**, real-time **remote monitoring**, and **automation** across industries.

With **multi-protocol support**, including dedicated **LoRaWAN device management**, OmniWOT empowers businesses to rapidly build, customize, and deploy fully **white-label IoT solutions** — all without complex coding.

- Advanced IoT platform for rapid application development
- Seamless integration with LoRaWAN sensors, wireless gateways, and smart devices
- **Pre-configured templates** for faster onboarding of industrial sensors and smart assets
- Real-time data visualization, alerts, and analytics for remote asset monitoring
- White-label capabilities for branded IoT platforms tailored to your business

**Perfect for smart industries including:** Smart Buildings, Industrial Automation, Cold Chain Monitoring, Energy Management, Food & Beverage, and Asset Tracking.



# **Multi-Protocol IOT Platform**



# **Effortless Device Integration**

Seamlessly connect your devices using industry-standard protocols such as MQTT, WSS, HTTP, Modbus, CAN Bus, BAC net, LoRaWAN, and NB-IoT.
OmniWOT streamlines provisioning and management, making it easy to deploy and operate—from a handful of sensors to large-scale device networks.

# Hardware Agnostic & Al driven across all Industries No-Code | Low-Code | Industrial IOT Platform

## **Seamless Connectivity with OmniWOT**

## **Empower Your IoT Ecosystem**

Unlock the true power of your IoT infrastructure with OmniWOT. Our all-in-one platform delivers secure, scalable, and efficient connectivity—ensuring your devices stay reliably linked to the digital world.

# **Effortless Device Integration**

Connect millions of devices to the cloud with ease using OmniWOT's robust, scalable architecture—designed for rapid deployment and growth.

# **Universal Compatibility**

Built on open standards, OmniWOT ensures broad interoperability, enabling smooth integration across any device, network, or application.



#### **Rule-Based IoT Automation**

Harness the power of real-time and historical data with OmniWOT. Filter, transform, and analyze incoming data streams to suit your operational needs—then automate intelligent actions using custom, rule-based triggers.

#### **Automated Alerts & Event Triggers**

Wind Speed Alert: High wind speeds detected (50 km/h)

**Humidity Alert:** Humidity levels exceeded threshold (80%)

Motor-1 Vibration Alert: Abnormal vibration levels observed

Power Outage: Main power supply interrupted

Overspeed Notification: Vehicle exceeded speed limit (120 km/h)

Geofence Exit: Vehicle exited designated zone

**Fuel Drop Alert:** Unexpected decrease in fuel level

**Tank Level Trigger:** Tank capacity dropped to 50%

**Temperature Warning:** Temperature exceeded threshold (5°C)

With OmniWOT, your IoT system becomes smarter—automatically detecting issues and triggering responses in real time to keep operations safe and efficient.



#### Rule-Based IoT Automation

Harness the power of real-time and historical data with OmniWOT. Filter, transform, and analyze incoming data streams to suit your operational needs—then automate intelligent actions using custom, rule-based triggers.

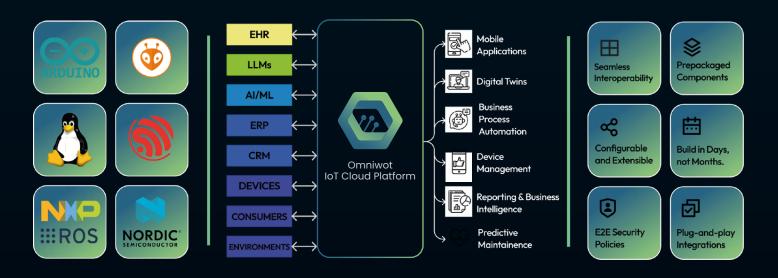


### **Insightful Visualization & Smart Analytics**

Turn complex data into clear, actionable insights with customizable dashboards and interactive visualizations. Track trends, monitor performance, and dive deep into metrics that matter. With Al-powered analytics, OmniWOT helps you make smarter decisions and drive operational excellence.



#### **Our Platform**



Streamlined integration with multiple systems in a payer, provider, manufacturer or vendor ecosystem

Turn on unique experiences and achieve outcomes without reengineering the integrations or building custom backends



# )ĭgital Twin



A Digital Twin is a virtual replica of a physical asset, process, or system, enabling real-time simulation, analysis, and optimization. It provides insights, predicts outcomes, and helps businesses enhance efficiency and reduce costs.

# **Key Features**



Real-Time Data Integration: Continuously updates virtual models using IoT sensor data.



**Predictive Analytics:** 

Uses algorithms and machine learning to foresee issues and enable proactive management.



Simulation & Scenario Analysis:

Simulates scenarios to test strategies and predict outcomes.

#### Industries





引 EV / Mobility



& Healthcare

**Enhanced Production** Efficiency: Digital Twins reduce Twins optimize EV maintenance waste and increase output.

Fleet Management: Digital routing, and energy usage.

Grid Management: enhance power, prevent outages, and integrate renewables.

Patient Care: Digital Twins simulate treatments and predict outcomes.

Predictive Maintenance: Predicts machine upkeep, reducing downtime.

Charging: Simulate and optimize charging station efficiency.

Asset Management: Predict failures and schedule fixes.

**Device Optimization: Simulate** performance for safety and efficacy.

Predictive Maintenance: Predicts machine upkeep. reducing downtime.

Vehicle Design: Virtually test designs for safety and performance.

Smart Buildings: Analyze energy to save and cut costs.

Hospital Ops: Optimize efficiency with Digital Twins.

# **Benefits**



#### **Operational Efficiency:**

Optimize processes, reduce waste, and boost productivity.



Cost Savings: Predict maintenance and optimize resources to lower costs.



#### Informed Decision-

Making: Use real-time data for better decision-making.



#### **Risk Mitigation:**

Simulate scenarios to manage risks and prevent disruptions.



Scalability: Scale from single assets to full operations as needed.

# Why OmniWOT



Expertise in IoT and AI: Our team excels in developing Digital Twin solutions using cutting-edge IoT and AI.



Customized Solutions: Tailored to meet the unique needs of each business.



End-to-End Support: Comprehensive services from consultation to ongoing support.



Proven Success: Deployed Digital Twins across industries, boosting efficiency, cost savings, and decision-making.

#### Case Study: ERIC Robotics

Industry: Robotics / Industry 4.0

**Solution**: Digital Twins for real-time monitoring and maintenance. Result: +45% less downtime, 100% reduced maintenance costs.



#### **Use cases**

Cross-cutting, all encompassing, one-stop solution.

#### **MOBILITY**



- Vehicle Tracking
- Battery Telemetry
- Charging Stations
- Rental Platforms
- **Driver Monitoring**

#### **ENERGY**

- Improve operational efficiency

- Automate workflowsEnhanced ComplianceOptimized Resource Allocation



#### **RETAIL**

- Inventory **Management Automation**
- · Customer Behaviour **Analytics**
- In-Store Navigation



#### **ROBOTICS**

- Manage Fleets
- Deploy & Update Edge
- Maintenance



#### **MANUFACTURING**

- Predictive Maintenance
- Real-Time Production
- Tracking
   Supply Chain
  Optimisation
- Quality Control





- Audit Logs and History
- Operationalise & Observe
- GeoFence and alert with asset events

#### **HEALTH TECH**



- Wearable health devices
- Remote patient monitoring
- **TeleHealth**



#### **AGRICULTURE**

- · Low-Cost, Low-Effort Backends
- Open Source Mobile



#### **SMART CITIES**

- Reduce Bandwidth
- · Digital Twins
- Scale to Millions of
- devices

   Audit Logs & Access





# Effortless IoT Integration with OmniWOT's Open Cloud Platform

OmniWOT's Open Cloud Platform is designed for seamless connectivity, enabling Wireless IoT sensors to effortlessly onboard via LPWAN/LoRaWAN Gateways.

With a **hardware-agnostic architecture**, it supports a broad range of IoT devices, providing **scalability and flexibility** for diverse applications.

Unlock real-time monitoring, smart automation, and data-driven insights with minimal setup effort, making IoT integration more efficient and future-ready.

Notice to reader:

All product specifications on this catalogue are subject to change without notice. All logos & trade marks represent the registered users only Not all products in this catalogue are available in every region. All rights reserved.



Innovate, Integrate & Empower

omniwot.com | +91 75502 28044 | info@omniwot.com

OmniWOT Technologies Private Limited, 103, Tower 5, L&T Raintree Boulevard Bellary Road, Byatarayanapura, Bengaluru, India-560092.

