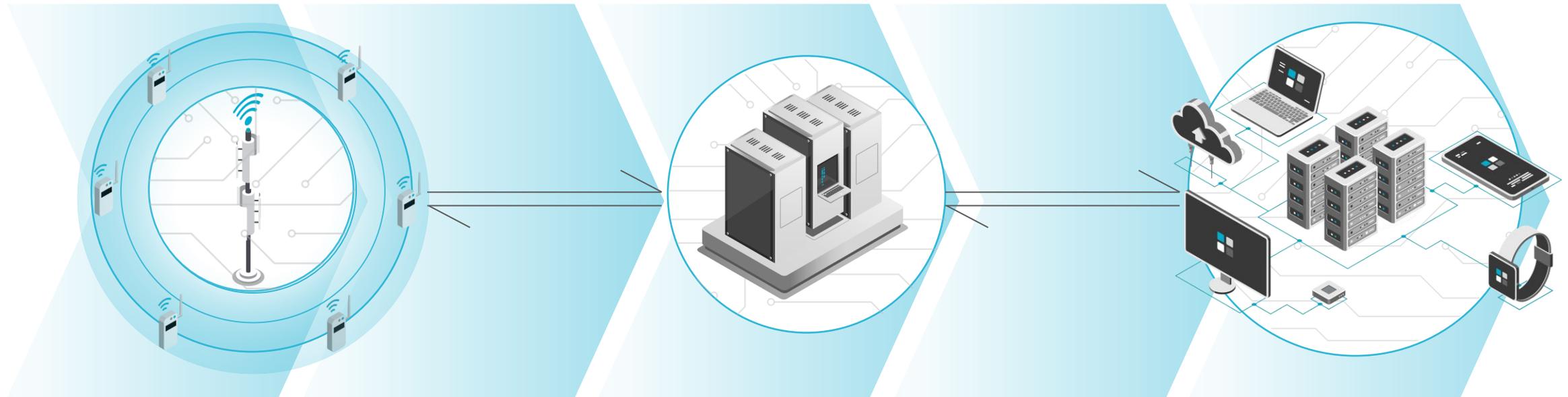


LORIoT Network Server



LORIoT Network Server



SENSORS

LORAWAN
GATEWAYS

LORIoT
NETWORK SERVER

APPLICATION
SERVER

APPLICATIONS

LORIIOT Network Server



SECURITY

IoT security at every stage of your product life-cycle. Enhanced, resilient end-to-end encrypted bidirectional data and device protection. LoRaWAN® AES 128 encryption combined with high-grade TLSv 1.2 communication. We build battle-tested security into the network server to safeguard your IoT data and assets.



SCALABILITY

A server architecture designed to grow with the network, from local deployments to national coverage, our network infrastructure and server distribution provides robust availability of all data. Built-in redundancy, high-availability and minimal maintenance guarantees the handling of thousands of gateways and millions of devices.



INTEGRATIONS

Flexible, access to data, our network applications integrate with virtually any IoT application. We enable easy interoperability with IoT platforms, user and billing systems or device provisioning at the end application. Standard APIs such as MQTT, HTTPs and WebSocket are supported, and fully backend integrated platforms such as AWS IoT, Azure IoT, Google IoT core, Cumulocity and more are available.



MANAGEMENT

A complete network infrastructure and software suite, enables the efficient management of your IoT network. A user-friendly web browser interface removes the complexity of scaling, managing devices and processing data so that you can focus on building the network. User management, roles and multi-tenancy streamline the server for efficient network and user organisation.



OPERATOR

A wide feature-list of operator systems for effective IoT network deployments; monitoring, logs, alerts, and powerful tools such as remote gateway management and multiple application outputs provide data regulation and valuable status information. Plus, filtering and search tools to rapidly analyse the network and find anomalies.



INDEPENDENCE

In the cloud or on-premise, managed or unmanaged, our network server deployment is highly adaptable and designed to give you complete freedom. When security and control are critical, our flexible network server deployments offer complete independence to manage your data. In the cloud or on-premise, we can hand over full control and are always ready to support.

LORIIOT Network Server



COMMUNITY PUBLIC NETWORK SERVER

13 World-wide Community Public Servers

Public LoRaWAN® servers on-demand including FREE connectivity.

Academic/Development / Proof of concept / Small scale / non critical

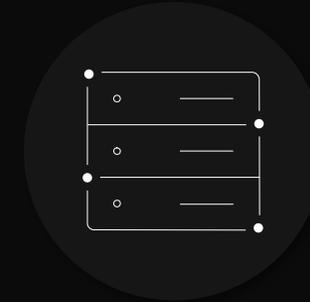


PROFESSIONAL PUBLIC SERVER

Professional Network Server for production services

Professional LoRaWAN® network servers with 99.9% SLA and built-in redundancy

Guaranteed network infrastructure to deploy PoC and commercial services.



PRIVATE NETWORK SERVER

Full-featured enterprise-grade Network Server

Private cloud or on-premise network server deployment.

Carrier-grade solution for network operator and production services.

LORIoT Network Server



COMMUNITY PUBLIC
NETWORK SERVER

PROFESSIONAL
PUBLIC SERVER

PRIVATE
NETWORK SERVER

+ STANDARD FEATURES

+ LORAWAN®

+ APPLICATIONS

+ GATEWAY MANAGEMENT

+ USER MANAGEMENT

+ SECURITY

+ SERVER DEPLOYMENT

+ INTEGRATIONS

+ SERVER OPERATOR

+ SUPPORT



LORIIOT Network Server



COMMUNITY PUBLIC NETWORK SERVER

PROFESSIONAL PUBLIC SERVER

PRIVATE NETWORK SERVER

— STANDARD FEATURES

Unlimited User Accounts	✗	✓	✓
Unlimited Applications	✗	✓	✓
Unlimited Gateways	✓	✓	✓
Unlimited Messages	✓	✓	✓
Multitenancy	✗	✓	✓
Included Gateways	Unlimited	Unlimited	Unlimited
Included Devices	30 devices FREE	✓	Unlimited
Service Level Agreement	✗	99,9%	✓
Cloud Deployment	Worldwide - 13 Regional Servers	Worldwide Professional Servers	Available Worldwide
On-Premise Deployment	-	✗	✓
LoRaWAN® Network Operator	✗	✗	✓
White Label + Custom Domain	-	-	✓
Technical Support	Basic	✓	✓
Test Server	-	-	✓
Pricing	FREE	Contact us	Contact us

+ LORAWAN®

LORIoT Network Server



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PUBLIC SERVER

PRIVATE
NETWORK SERVER

— LORAWAN®

LoRaWAN® 1.0.x

✓

✓

✓

LoRaWAN® 1.1.x

✓

✓

✓

Class A device

✓

✓

✓

Class B device

✓

✓

✓

Class C device

✓

✓

✓

Activation By
Personalisation (ABP)

✓

✓

✓

Over The Air Activation (OTAA)

✓

✓

✓

Adaptive Data Rate

✓

✓

✓

+ APPLICATIONS

+ GATEWAY MANAGEMENT

+ USER MANAGEMENT

+ SECURITY

LORIIOT Network Server



COMMUNITY PUBLIC NETWORK SERVER

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PRIVATE NETWORK SERVER

— APPLICATIONS

Unlimited device numbers (240)	×	×	✓
Uplink/Downlink	✓	✓	✓
Multicast	✓	✓	✓
Multiple Application Output	✓	✓	✓
Device Location Map	✓	✓	✓
Custom Payloads	✓	✓	✓
Private/Public Applications	×	✓	✓
Automated device provisioning	✓	✓	✓
REST API Device Provisioning	×	✓	✓
Cryptographic Key Management	✓	✓	✓
MAC Commands Log	✓	✓	✓
Debugging Features	×	✓	✓
Firmware Over The Air updates (FOTA)	×	✓	✓
LoRa Geolocation	×	✓	✓

+ GATEWAY MANAGEMENT

LORIoT Network Server



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— GATEWAY MANAGEMENT

LORIoT Gateway Binary sw	✓	✓	✓
Worldwide Radio Bands supported	✓	✓	✓
Remote Access SSH Tunnel	✗	✓	✓
Automatic Updates	✓	✓	✓
Gateway Location Map	✓	✓	✓
Data Stream	✓	✓	✓
Community Gateway Access On/Off	✗	✗	✓
Private/Public Networks	✗	✓	✓
REST API Gateway Provisioning	✗	✓	✓
Gateway Logs	✓	✓	✓
Alert Notifications	✓	✓	✓
Adaptable Transmit Power	✗	✓	✓
Enhanced Radio Information	✗	✓	✓

+ USER MANAGEMENT

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— USER MANAGEMENT

Admin Accounts	×	✓	✓
Reseller Functionality	×	✓	✓
Multitenancy	×	✓	✓
REST API User Provisioning	×	✓	✓
Billing System	×	✓	✓
Read-Only Users	×	✓	✓
User Rights Management	×	✓	✓
Resource Transfer	×	×	✓

+ SECURITY

+ SERVER DEPLOYMENT

+ INTEGRATIONS

+ SERVER OPERATOR

LORIoT Network Server



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— SECURITY

Join Server	×	✓	✓
TLS v1.2 Transport	✓	✓	✓
Administrator Web Interface	×	✓	✓
Enhanced Gateway Security Binary	✓	✓	✓
Two-Factor Authentication	×	✓	✓
User Access Controls	×	✓	✓

— SERVER DEPLOYMENT

Managed/Unmanaged Service	—	—	✓
Cloud (Azure etc.)	—	—	✓
On-Premise	—	—	✓
Distributed Server Architecture	—	✓	✓
Fail-safe Server Redundancy	—	✓	✓

+ INTEGRATIONS

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— INTEGRATIONS

HTTP Push	✓	✓	✓
MQTT	✓	✓	✓
WebSocket	✓	✓	✓
TLS Socket	✓	✓	✓
CoAP Push	✓	✓	✓
Iron.io IronMQ	✓	✓	✓
Microsoft Azure IoT Hub	✓	✓	✓
Amazon AWS IoT	✓	✓	✓
Cumulocity	✓	✓	✓
ThingsHub	✓	✓	✓
Google IoT Core	✓	✓	✓
Cayenne myDevices	✓	✓	✓
PubNub	✓	✓	✓
AllThingsTalk	✓	✓	✓
TagoIO	✓	✓	✓

+ SERVER OPERATOR

LORIoT Network Server



COMMUNITY PUBLIC NETWORK SERVER

PROFESSIONAL PUBLIC SERVER

PRIVATE NETWORK SERVER

— SERVER OPERATOR

Full REST API Access	×	✓	✓
Test Server	–	–	✓
User Web Interface	✓	✓	✓
Admin Web Interface	×	✓	✓
Server Insights App	–	–	✓

— SUPPORT

Service Level Agreement (SLA)	×	✓	✓
Technical Support	Basic	✓	✓
Documentation & Guides	✓	✓	✓
Single-point Contact	×	×	✓
Server Migration	✓	✓	✓
Consulting/Education	✓	✓	✓

Contact



Web

[contact us](#)
[brochure](#)

General Inquiries

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