

u-blox services product overview



Simplifying data communication between IoT devices and the enterprise

We make it simple to connect and locate everyThing

We deliver leading wireless technology to reliably locate and connect people and devices. We are forging a path in which our services can be combined with products to enhance functionality, improve quality of service in challenging conditions, and solve the problems of complexity, cost, and availability.



IoT Location-as-a-Service

Sets the standard for positioning and assistance solutions that are precise, reliable, and easy to use.



IoT Communication-as-a-Service

Combines true global connectivity with a fixed-price global MQTT network that works seamlessly in 190 countries.

Thingstream is the u-blox IoT service delivery platform



Thingstream is a cloud-based delivery platform and administration interface for enterprise IoT services. The Thingstream platform comprises IoT communication and location services, enterprise-grade MQTT broker, visual programming, simple enterprise integration, with flexible pricing plans tailored to specific use cases and applications. The intuitive interface provides a self-serve environment from which users have autonomy to manage IoT device fleets, manage billing, monitor events, and have complete API control of functionality. Thingstream enables a frictionless business experience because it eliminates complexities and allows users to engage more efficiently and reduce time-to-market.

Thingstream features and benefits



Enterprise grade

Auto-scaling technology proven to support billions of messages



One-stop solution

Delivery of all u-blox IoT communication and location services



Simple enterprise integration

Ready-made connectors into leading cloud platforms



Data flow manager

Visual programming interface to easily process and transform data



Connect everything

Easily connect and manage IoT devices, APIs, and online services



Flexible plans

Simple pay-as-you-go pricing plans tailored to suit your needs

Learn more about the Thingstream platform at www.u-blox.com/product/thingstream.

We provide IoT Location-as-a-Service

IoT Location-as-a-Service ensures reliable, fast position information and delivers accurate assistance and error correction data for IoT devices, even in constrained and challenging environments. GNSS users expect instant position information, which is not often possible under adverse signal conditions; therefore, location, assistance, and correction services become essential functionalities. There is a smart solution that answers this broad imperative:



AssistNow™ provides real-time online Assisted-GNSS backed by our warranty and support. It improves GNSS time to first fix and lowers power consumption. Integration is easy.



CellLocate® is a robust network-based location service, providing position in areas where GNSS is poor or absent. Pre-integrated and ready to use on many u-blox cellular and Wi-Fi modules.



PointPerfect™ makes precise positioning solutions accessible to everyone. This PPP-RTK GNSS augmentation data service delivers centimeter-level accuracy in seconds on a continental scale.



CloudLocate™ brings power autonomy to constrained IoT devices by off-loading positioning calculation to the cloud, using 10% power of a standalone GNSS fix. Works with every connectivity, optimized for low bandwidth.

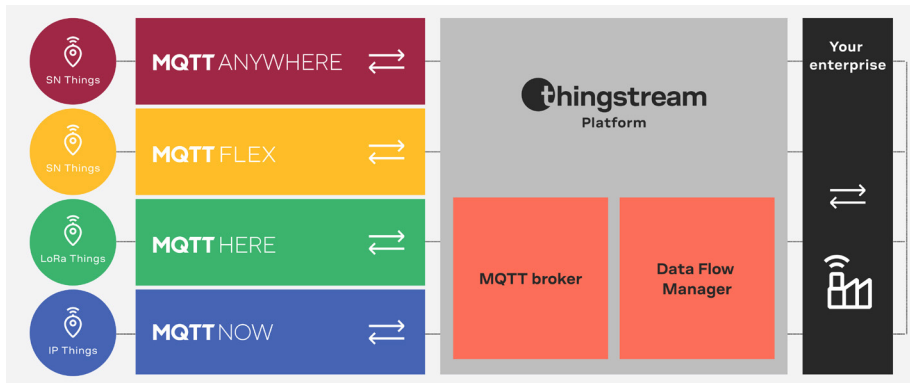


We provide IoT Communication-as-a-Service

Communication is so much more than connectivity. The complexity of IoT communication is solved by a comprehensive end-to-end solution based on the industry standard MQTT, with our network that is globally available in 190 countries. We simplify cost of ownership by offering a product “as-a-Service” at a predictable cost with on-demand scalability.

With IoT Communication-as-a-Service, getting data between IoT devices anywhere in the world and the enterprise is simplified thanks to our four complementary products – **MQTT Anywhere**, **MQTT Flex**, **MQTT Here**, and **MQTT Now**.

These products are built on top of the foundation of our scalable, high-performance MQTT broker and powerful **Data Flow Manager**, allowing simple processing, transformation, and integration of messages into the enterprise.

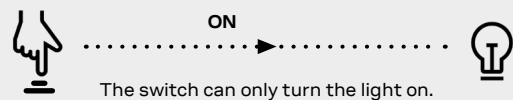


MQTT is ideally suited to the Internet of Things

IoT devices and applications require a reliable, robust, and secure messaging protocol. That is where MQTT comes in. MQTT is an OASIS standard messaging protocol for the Internet of Things (IoT). It is designed as an extremely lightweight publish/subscribe messaging transport that is ideal for connecting remote devices with a small code footprint and minimal network bandwidth. (Source: <https://mqtt.org/>)

Simplified communication

Communication is a complex problem. MQTT reduces complexity, allowing a single connection to a message topic. Data is logically structured and can be processed flexibly.



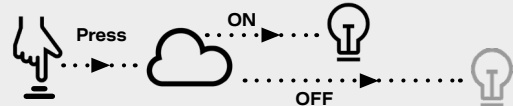
Eliminate polling

MQTT allows instantaneous, push-based delivery, eliminating the need for message consumers to periodically check or poll for new information. This dramatically reduces network traffic.



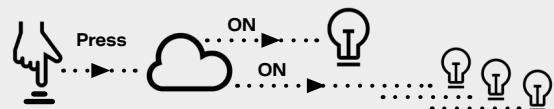
Dynamic targeting

MQTT makes discovery of services easier and less error prone. Instead of maintaining a roster of peers that an application can send messages to, a publisher simply posts messages to a topic.



Decouple and scale

MQTT also makes solutions more flexible and enables scale. It allows changes in communication patterns, adding or changing functionality without sending ripple effects across the system.



Further information

For contact information, see www.u-blox.com/contact-u-blox.

For more details, see www.u-blox.com/iot-communication-service and www.u-blox.com/iot-location-service.

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