

Low Power Wide Area Network Market by Connectivity Technology (LoRaWAN, Weightless, Sigfox, NB-IoT, and Wi-SUN), Deployment Model (On-premise and Cloud), Application (Smart Waste Management, Smart Buildings, Smart Gas and Water Metering, Smart Streetlights, Smart Parking, Livestock Monitoring, and Others) and Geography – Global Forecast up to 2026

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Abstracts

Low Power Wide Area Network is swiftly emerging as a game-changer in IoT applications, evaluating most of the cellular network's limitations, for instance, high power coverage gaps. LPWAN has particular characteristics which render it incredibly captivating for the increasing number of implementations among various industries, such as logistics and transport, infrastructure, agriculture, and smart cities. The LPWAN market is predicted to grow at a 12.6% CAGR by 2026. The increased demand for low power wide area network technology is ascribed to the features such as less power consumption and safe data transmission. Additionally, with the evolution of cloud-based technologies, the demand for financial analytics systems has increased. Cloud-driven technologies favor stable data management and generate result-oriented production. However, these programs enhance the business's efficiency by improving real-time details, which has majorly accelerated the market growth. A critical factor that is likely to hamper the low power wide area network market growth is the issue associated with privacy and security.

Low Power Wide Area Network Market based on Connectivity Technology

LoRaWAN

Weightless

Sigfox

NB-IoT

Wi-SUN

Low Power Wide Area Network Market based on Deployment Model

On-premise

Cloud

Low Power Wide Area Network Market based on Application

Smart Waste Management

Smart Buildings

Smart Gas and Water Metering

Smart Streetlights

Smart Parking

Livestock Monitoring

Others

Low Power Wide Area Network Market based on Geography

North America

Europe

Asia Pacific

Rest of World

On the basis of connectivity technology, the NB-IoT or narrowband internet of things technology segment is expected to hold a major market share. The IoT network's rising ecosystem will generate demand for networks that will offer access to IoT devices that require low latency and low data transmission speeds, such as smart water meters. Moreover, NB-IoT technology increases the power efficiency of these instruments and meets the challenging specifications for coverage.

The cloud deployment model has the greatest share in the market as per the deployment mode since most customers deploy cloud services to integrate the internet of things quickly. Enterprises can majorly diminish the deployment timeline when following the cloud deployment model and managing the cloud-based LPWAN servers and gateways with ease.

As in the application market, the smart gas and water metering segment has witnessed the market's highest growth rate. The gas meters transfer readings to the gateway with the help of low power wide area network and depicts the output in a cloud web-based interface. Vendors operating in this market provide several wireless network options to allow IoT connectivity for smart gas & water meters.

According to the regional market for low power wide area network, the North America region held a substantial market share. This region's market driving factors are the high adoption of advanced technologies, rising demand for energy-efficient devices, and increasing high-speed communication requirements in this region.

Furthermore, the increasing implementation of the IoT in various applications worldwide is majorly driving the global market. Since the IoT assists in products and services being more personalized, the products and services can be much more based on consumers' desires and expectations. IoT helps businesses gather huge volumes of consumer information in real-time, allowing a more personal perspective of the client.

This report provides the key players of the low power wide area network market Vodafone Group Plc, ATandT Inc., Semtech Corporation, Huawei Technologies, Link Labs Inc., Qualcomm Inc., Lorient, Actility, Nwave Technologies, Ingenu, Senet Inc., Sigfox, and Telefonica SA.

As a result, the low power wide area network technology has a prominent role due to its broad range of applications including in smart meeting, asset monitoring, livestock monitoring, energy management, and manufacturing. Moreover, the increasing technologies such as machine to machine and internet of things are providing a wide scope.

Comprehensive overview of the global low-power wide-area network market restraints, opportunities, challenges expected to drive its market growth.

The report provides in-depth market segmentation and the past, present, and estimated market size in terms of volume and value.

This report presents the current industry trends and developments and the competitive outlook and strategies of key players and product offerings.

This report also depicts the SWOT analysis, portfolio analysis, capability analysis of the leading competitors.

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