

Internet of Things (IoT) WAN Market Analysis and Forecasts 2016 - 2021

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Abstracts

The 3GPP is standardizing three cellular communications approaches to Wide Area Network (WAN) communications for the Internet of Things (IoT). These three methods are known as EC-GSM-IoT/3GPP, LTE-M/3GPP, and NB-IoT/3GPP. There is also a non-cellular alternative Low Power WAN (LPWAN) approach that allows for long range communications at a low bit rate. LPWAN technologies represent a great threat to incumbent mobile network operators as \$10 LPWAN radios are capable of ten-mile ranges with 10-year battery lifetimes. This provides an attractive alternative to cellular-based communications, especially for certain low-volume transaction applications for IoT.

This research evaluates IoT WAN technologies, companies, and solutions. The report assesses developments in the IoT WAN ecosystem, analyzes use cases, and provides a view into the future of IoT WAN communications. The report includes detailed forecasts for cellular and non-cellular IoT WANs 2016 to 2021. All purchases of Mind Commerce reports includes time with an expert analyst who will help you link key findings in the report to the business issues you're addressing. This needs to be used within three months of purchasing the report.

Key Findings:

Non-cellular technologies will compete heavily for dense coverage, low-data rate business

Cellular IoT WAN will provide greater coverage on a per-unit equipment basis and also optimal roaming

Key supporting technologies such as data compression will be critical to the sustainable operation of LPWANs

Extended Coverage-GSM-IoT (EC-GSM-IoT) will lead Cellular IoT WAN revenue with 40% market share through 2021

The greatest revenue potential for IoT WANs will be from Industrial Internet of Things (IIoT) followed by smart cities

Target Audience:

Non-cellular CSPs

IoT network providers

Mobile network operators

Semiconductor companies

Embedded systems companies

4G/5G/IoT equipment providers

IoT app developers and aggregators

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