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IoT Node and Gateway Market with Covid-19 Impact Analysis, by Hardware (Processor, Connectivity IC, Sensor, Memory Device, and Logic Device), End-use Application (Industrial and Consumer), Geography - Global Forecast to 2027

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Abstracts

The IoT node and gateway market was valued at USD 387.1 billion in 2020 and is projected to reach USD 566.4 billion by 2027; it is expected to grow at a CAGR of 6.7% from 2021 to 2027. The key factors driving the growth of the IoT node and gateway market include emergence of 5G technology, growing use of wireless smart sensors and networks, growing market for connected devices, increasing necessity of data centers due to rising adoption of cloud platforms, and others.

The IoT node and gateway market includes major Tier I and II suppliers such as Intel Corporation, Huawei Technologies Co., Ltd., NXP Semiconductor N.V., Texas Instruments Incorporated, Cisco Systems, Inc., Hewlett Packard Enterprise, and so on. These suppliers have their manufacturing facilities spread across various countries across North America, Latin America, Europe, APAC, and RoW. COVID-19 has impacted their businesses as well.

Connectivity IC segment to account for the largest share of IoT node and gateway market during the forecast period

On the basis of Hardware, the IoT node and gateway market has been segmented into processor, sensor, connectivity IC, memory device, and logic device. the connectivity IC segment held the largest share of the overall IoT node and gateway market, in terms of volume. The increasing demand for better edge devices connectivity and significant developments in low-power connectivity technologies, such as Wi-Fi, Bluetooth, and

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Bluetooth Low Energy (BLE), are the key factors supporting the growth of the connectivity IC segment.

Consumer application to account for the largest share of IoT node and gateway market during the forecast period

Based on end-use application, the IoT node and gateway market has been segmented into industrial and consumer. Consumer application held the largest share of the overall IoT node and gateway market to during the forecast period. With the evolution of a number of consumer appliances that can connect to the Internet and smartphones, the growth of IoT technology in the consumer electronics segment is expected to receive a boost.

APAC is expected to register the highest growth of IoT node and gateway market during the forecast period

APAC is expected to register the highest growth in the IoT node and gateway market during the forecast period from 2021 to 2027. The growing penetration of the internet across commercial as well as residential spaces, broad consumer base, increasing disposable income, and improving IT infrastructure are some of the key determinants supplementing the growth of the IoT node and gateway market in APAC. Moreover, the adoption of cloud-based services and rising trend of industrial automation are the key growth drivers for the IoT node and gateway market for commercial applications in countries such as China, South Korea, and Japan.

Major players operating in the IoT node and gateway market are Intel Corporation, Huawei Technologies Co., Ltd., NXP Semiconductor N.V., Texas Instruments Incorporated, Cisco Systems, Inc., Hewlett Packard Enterprise, TE Connectivity Ltd., Advantech Co. Ltd., Dell Technologies, Microchip Technology Inc., Notion, Helium System Inc., Samsara Networks Inc., Beep Inc., Estimote Inc., Aaeon Technology Inc., Nexcom International Co. Ltd., STMicroelectronics N.V., Eurotech S.P.A, Adlink Technology Inc., Volansys Technologies, Embitel Technologies, Mitsubishi Electric Corporation, Lantronix, Inc., and Cradlepoint, Inc., and so on.

Breakdown of primary participants:

By Company Type: Tier 1 = 55%, Tier 2 = 25%, and Tier 3 = 20%

By Designation: Directors = 50%, Managers = 20%, Vice Presidents = 25%, and

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Others = 5%

By Region: North America = 40%, Europe = 35%, APAC = 15%, and RoW = 10%

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Research Coverage:

In this report, the IoT node and gateway market has been segmented on the basis of hardware, end-use application, and geography. The report also discusses the drivers, restraints, opportunities, and challenges pertaining to the market. It gives a detailed view of the market across five main regions—North America, Latin America, Europe, APAC, and RoW. Value chain analysis has been included in the report, along with the key players and their competitive analysis in the IoT node and gateway ecosystem.

Key Benefits to Buy the Report:

This report includes statistics for the IoT node and gateway market based on hardware, end-use application, and geography, along with their respective market sizes.

Value chain analysis and key industry trends have been provided for the market.

Major drivers, restraints, opportunities, and challenges for the IoT node and gateway market have been provided in detail in this report.

This report would help stakeholders to understand their competitors better and gain more insights to enhance their position in the market. The competitive landscape section includes the competitor ecosystem and the recent development strategies adopted by the key players in the market, such as

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product launches/developments,
contracts/collaborations/agreements/acquisitions.

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About

According to the latest market research report "IoT Node and Gateway Market by Hardware (Processor, Connectivity IC, Sensor, Memory Device, Logic Device), by End-Use (Wearable Devices, Healthcare, Consumer Electronics, Building Automation, Industrial, Retail), and Geography - Global Forecast to 2023", the IoT node and gateway market is expected to register a shipment of 17.18 Billion units by 2023, growing at a CAGR of 30.9 % between 2017 and 2023. The market has a huge potential of growth in various end-use applications such as retail, BFSI, and aerospace and defense.

The companies that are profiled in the report are

Intel Corporation (US),

Huawei Investment & Holding Co., Ltd. (China),

NXP Semiconductor N.V. (Netherlands),

Texas Instruments Inc. (US),

Cisco Systems Inc. (US),

Hewlett Packard Enterprise Co. (US),

TE Connectivity Ltd. (Switzerland),

STMicroelectronics N.V. (Switzerland),

Advantech Co., Ltd. (Taiwan),

Dell Inc. (US),

Eurotech S.P.A (Italy),

AAEON Technology Inc. (Taiwan),

Adlink Technology Inc. (Taiwan),

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NEXCOM International Co. Ltd. (Taiwan), and

Microchip Technology Inc. (US).

Notion (US), Helium System Inc. (US),

Samsara Networks Inc. (US),

Estimote Inc. (US), and Beep Inc. (US).

The major factor driving the growth of the IoT node and gateway market are improved internet connectivity in technologically advanced countries and increased IP address space and better security provided by IPv6. Moreover, in emerging economies such as India, China, and Brazil, the improving IT infrastructure, along with business friendly initiatives by government organizations is driving the growth of the IoT node and gateway market.

Connectivity IC held the largest market share in 2016

The IoT node and gateway market for connectivity IC, by hardware, held the largest share in 2016. The increasing demand for better edge devices connectivity and significant developments in low-power connectivity technologies such as Wi-Fi, Bluetooth, and Bluetooth low energy (BLE) are the key contributing factors leading to the largest market share of connectivity ICs in 2016.

BFSI end-use application to witness the highest growth rate between 2017 and 2023

BFSI end-use application is expected to grow at the highest rate during the forecast period. The mass adoption of online banking, contactless payment, and mobile banking apps has increased significantly. Banks are trying to create intelligent and personalized customer cross-selling opportunities. The shipment of the BFSI end-use application in the IoT node and gateway market would largely be driven by the increasing adoption of mPOS.

North America leads the IoT node and gateway market, in terms of volume

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In 2016, North America held the largest share of the IoT node and gateway market, in terms of volume. North America is one of the fastest-growing markets in terms of technological advancement, manufacturing operations, and infrastructure. The wide-scale adoption of IoT technologies in several industries such as retail, automotive and transportation, and healthcare is the key factor supporting the growth of the IoT node and gateway market in this region.

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