

Worldwide IoT Platforms Software Vendors 2017

The IDC MarketScape includes

- Amazon Web Services ▪ Ayla Networks
- Bosch Software ▪ Fujitsu ▪ GE Digital ▪ HPE
- IBM ▪ LogMeIn ▪ Microsoft ▪ Oracle ▪ PTC ▪ SAP



eUICC Based eSIM Solutions for IoT



IIoT-ready platform supports e-car infrastructure

Compact IoT Gateway/Controller delivers secure and robust platform with minimal footprint



Vodafone Report 2017-2018 Market Share by Segment

New Report



Creating The New Mobile Network of IoT

What enterprises need to make IoT work in the real world

BICS New Report

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*Worldwide IoT Platforms (Software Vendors)
2017 Vendor Assessment*

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The MXE-210 Compact IoT Gateway/Controller delivers a secure & robust platform

- eUICC: Accelerating the IoT Opportunity for OEM 's

For product manufacturers (OEMs), there has never been a greater need or opportunity to connect their products to the Internet.

- Vodafone IoT Barometer 2017/18

A detailed insight into how the Internet of Things is transforming the world of business.

Number of connected devices

10,000+ Devices **1,000-10,000 Devices**



Public Sector



Healthcare



Energy & Utilities



Automotive



Transport & Logistics



Retail



Manufacturing



Consumer Electronics

- How mobile networks need to transform, to secure Enterprise IoT spend



Daniel Dierickx
CEO & co-Founder
at e2mos
Acting Chief Editor

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IDC MarketScape evaluates leading IoT platforms



Worldwide IoT Platforms (Software Vendors) 2017 Vendor Assessment

July 2017 -- The Internet of Things (IoT) has disrupted the industrial enterprise. To succeed in this new world, organizations need to select an IoT platform that not only satisfies their current business needs, but has the features, functionality, and flexibility to support future endeavors.

The latest [IDC MarketScape](#) evaluates twelve IoT platform vendors according to the following attributes:

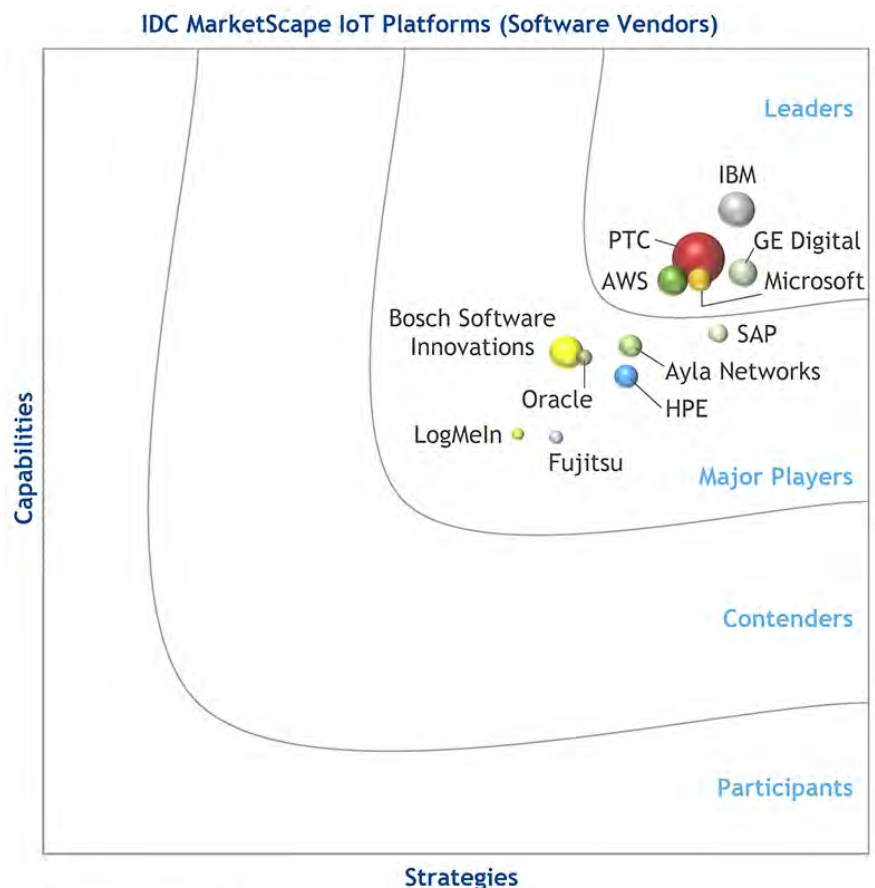
- **Product functionality breadth:** Connectivity management, device management, data ingestion, processing, management, visualization tools, application enablement tools, and analytics
- **Protocol/device support:** Current protocols, device types, and operating system types supported
- **Integration capabilities:** Integration with back-end systems and/or other cloud services
- **Edge support:** Data collection and the ability to process and analyze it at the edge
- **Breadth of complementary portfolio offering:** Strategy, implementation, and management of IoT deployments and predictive/prescriptive analytics
- **Delivery model options:** Scalability to support future initiatives (geography, new business lines, restricted markets, etc). Managed cloud offerings a plus
- **Pricing:** Appropriate and scalable across various use cases
- **Ecosystem:** Partner network across device, network, and software layer
- **Customer service:** IoT data will interact with many potential points of failure and security risks – potential issues may be serviced by the platform or third parties

Download your free excerpt of "IDC Marketscape: Worldwide IoT Platforms (Software Vendors) 2017 Vendor Assessment" to see why PTC's ThingWorx was named an IoT platform leader.

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Vendors Included in this IDC MarketScape

- Amazon Web Services
- Ayla Networks
- Bosch Software Innovations
- Fujitsu
- GE Digital
- HPE
- IBM
- LogMeIn
- Microsoft
- Oracle
- PTC
- SAP



Source: IDC, 2017

Robust and Reliable IIoT-Ready Platform with Maximum Functionality

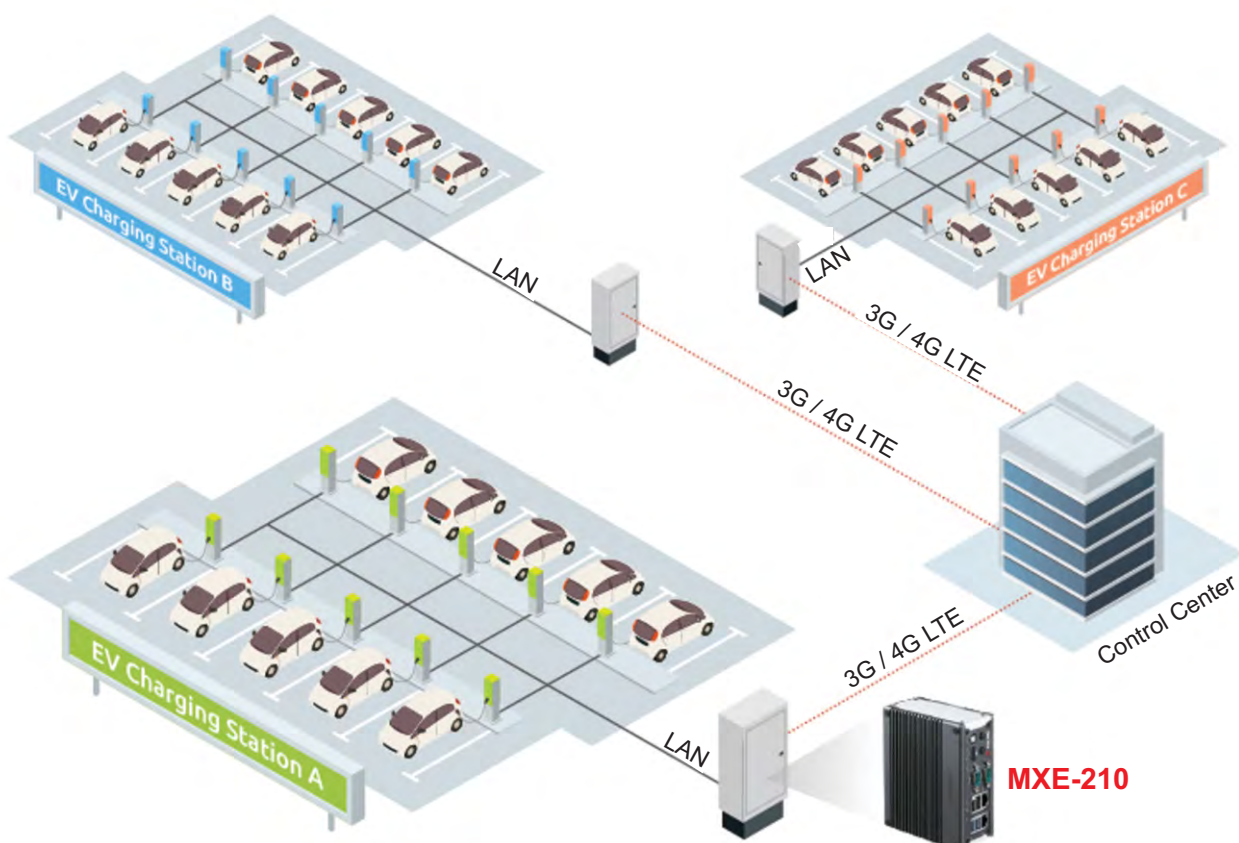


IIoT-ready platform supports e-car infrastructure



The MXE-210 Compact IoT Gateway/Controller delivers a secure and robust platform with minimal footprint

Functioning as both a gateway and embedded controller, the MXE-210 bridges the gap between Operations Technology (OT) and Information Technology (IT) data interchanges, with support for third party manufacturers via its wide range of industry standard compliances; support is included for Modbus, EtherCAT, DDS, MQTT, and CANOpen by Vortex Edge Connect, as well as Wi-Fi, BT, LoRa, 3G, and 4G LTE for data communication and wireless connectivity. As a controller, the MXE-210 leverages the same protocols to directly communicate with and manage any standard industrial device.



MORE: [CLICK HERE](#)



eUICC: Accelerating the IoT Opportunity for OEM 's

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For product manufacturers (OEMs), there has never been a greater need or opportunity to connect their products to the Internet.

In the report, we read that the product which is not connected stands or falls by the product offering itself. That offering cannot generate data for new services or be updated with new software features, so will quickly lose its competitive position in the market compared with others that are connected and can do these things.

More than this, an unconnected product cannot be remotely maintained either and its performance in the field cannot be checked. The total value of an unconnected product resides in the product itself, whereas the total value of a connected product includes both the product and all the services created by it being connected.

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Vodafone IoT Barometer 2017/18



A detailed insight into how the Internet of Things is transforming the world of business, and what the future holds.

vodafone.com/iot

Vodafone
Power to you

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The White Paper
36 Pages

67%
rely on it

Two-thirds of adopters say IoT is already mission-critical

2x
more big users

The proportion of companies with over 50,000 devices has doubled

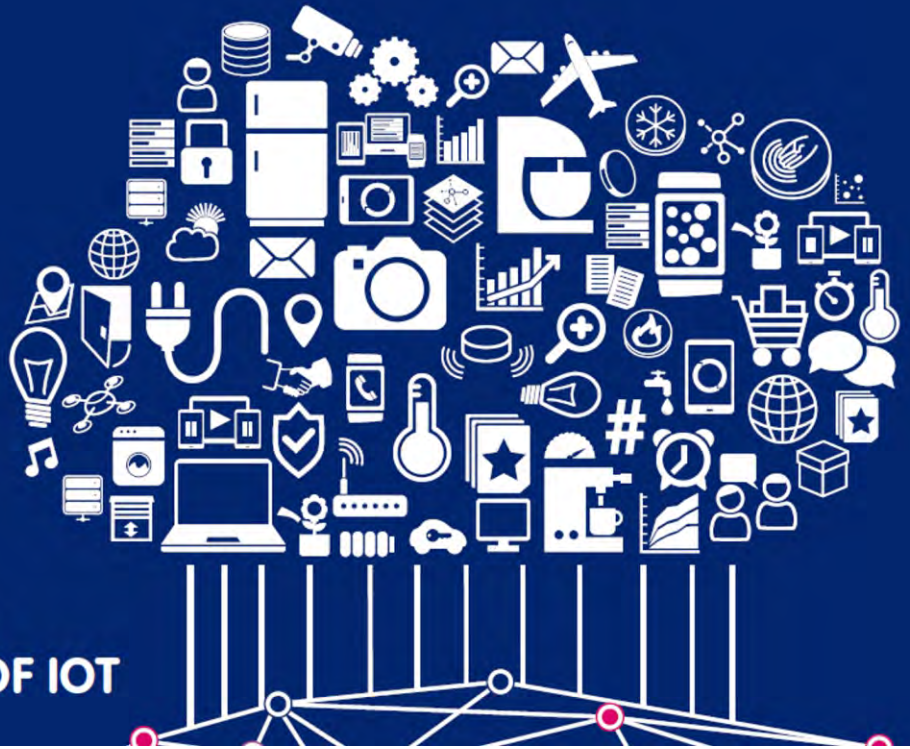
84%

are using more

Over four-fifths of adopters have increased their use of IoT



CREATING THE NEW MOBILE NETWORK OF IOT



How mobile networks need to transform, to secure Enterprise IoT spend

Over the next five years, enterprises will drive the growth of the IoT market and will be responsible for defining the connectivity solutions that underpin it.

McKinsey estimates that the Internet of Things (IoT) will have a total potential economic impact of \$3.9 trillion to \$11.1 trillion a year by 2025 and will have a huge effect on the way businesses function in any sector. Today's mobile networks have not been designed to provide mobile connectivity for the Internet of Things.

Introduction

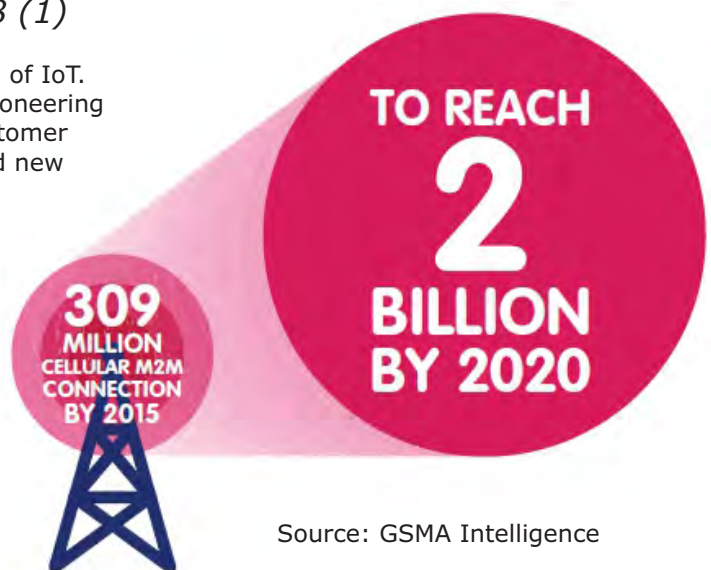
IoT devices are set to surpass mobile phones as the largest category of connected devices by 2018 (1)

Enterprises are playing a pivotal role in realising the potential of IoT. From connected cars to remote healthcare, enterprises are pioneering new uses of IoT to achieve greater operational efficiency, customer success management, business intelligence, new services and new business models.

In this context, the relationship between mobile networks and their subscribers needs to shift to cater for the changing connectivity demands of an IoT world.

As the appetite for IoT explodes, enterprises managing tens of millions of devices need a solution that offers complete visibility and control of their IoT networks.

To address the changing connectivity demands associated with this shift, mobile networks need to evolve to deliver continuous, worldwide and flexible connectivity while giving enterprises the autonomy they need to make IoT projects a success.



Source: GSMA Intelligence

... to next page

(1) Ericsson Mobility Report 2016

How mobile networks need to transform, to secure Enterprise IoT spend

... from previous page

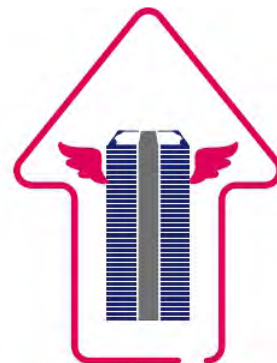
What is the IoT opportunity?

Gartner defines the 'Internet of Things' as the network of physical objects that contain embedded technology to communicate and interact with their internal states or the external environment.

The rapid growth of IoT is being driven by the tangible results that businesses of all sizes and from all industries are seeing as a result of IoT projects. By using embedded SIMs, connected devices can engage in two-way communications with central systems: either transmitting real-time data from sensors or receiving instructions on how to behave. This opens unlimited possibilities for companies such as achieving higher efficiency, launching new connected services and business models, improving customer success management or gathering advanced business intelligence.

IDC forecasts that worldwide spending on IoT will reach \$1.29 trillion by 2020. Mobile networks must urgently evolve to provide the connectivity needed to be its backbone.

Worldwide
spending on
IoT



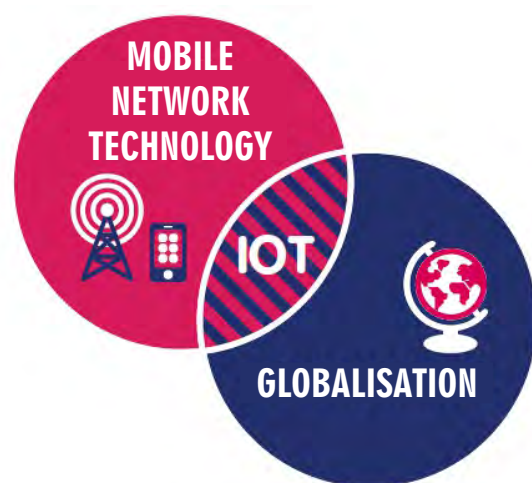
US \$1.29
TRILLION
BY 2020

Why is it happening now?

IoT is the result of the coming together of mature mobile network technologies and globalisation. Recent years have seen digital technology act as the catalyst for globalisation: as a result, enterprises no longer operate as local entities but serve an increasingly multinational customer base.

In parallel, mobile technology and infrastructure have evolved to a point that they have the reliability, ubiquity and performance to provide consistent communications in almost any corner of the world.

For most enterprises and business sectors, one key driver for the IoT transformation is the potential for globalisation, as it allows devices anywhere in the world to connect and interact uninhibited by location. As enterprises become ever more interconnected, this offers a cost-effective way to work across multiple regions. The consolidation of the data generated then allows businesses to understand both their customers and operations, to generate efficiencies and enhance their business models.



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THE WHITE PAPER

This paper examines the IoT driven demand for constant, consistent connectivity and describes how mobile networks need to empower enterprises by transforming themselves in terms of globalisation, self-management and flexibility, giving them end-to-end control over their IoT networks.



360°
Connectivity &
SIM Management
Solution