Pervasive Computing Tech Market to Hit $239.73B by 2029 | Exclusive TBRC Report

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How Much Is The [Pervasive Computing Technology Market](#) Worth?
The market size of pervasive computing technology has witnessed swift expansion in the past

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> Expected to grow to $239.73 billion in 2029 at a compound annual growth rate (CAGR) of 13.9%"
> *The Business Research Company*

years. The market, which was valued at $124.59 billion in 2024, is projected to reach $142.36 billion in 2025, growing at a compound annual growth rate (CAGR) of 14.3%. Factors such as increased internet use, proliferation of connected devices, the surge in mobile computing utilization, the embracing of enterprise cloud platforms, and the requirement for instantaneous data processing can be attributed to the historical growth.

The market for pervasive computing technology is predicted to undergo a significant expansion in the upcoming years, reaching a value of $239.73 billion in 2029 with a Compound Annual Growth Rate (CAGR) of 13.9%. This predicted growth during the forecasted period is fuelled by factors such as a growing synergy between artificial intelligence (AI) and internet of things (IoT), an escalated demand for edge computing, an increased need for data security solutions, the broadening adoption of digital healthcare, and the utilization of pervasive computing in the development of smart cities. Key trends anticipated during this forecast period comprise the evolution of sophisticated sensor networks, the incorporation of machine learning into pervasive systems, the expansion of cloud-native applications, the utilization of blockchain for enhanced pervasive computing security, and the advent of 5g-supporting pervasive environments.

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What Are The Factors Driving The Pervasive Computing Technology Market?
The expanding ubiquity of the internet of things (IoT) is predicted to drive the development of the pervasive computing technology market in the future. The IoT is a structure of interconnected physical devices that exchange data over the internet to conduct automatic and intelligent operations. The expanding ubiquity of IoT results from aspects like smart city programs, industrial automation, wearable tech, and enhanced connectivity infrastructure, leading to a surge in demand for smart and automated systems. The application of pervasive computing technology makes use of IoT devices for real-time monitoring, automation, and data-centric decision-making across sectors. For instance, a report by Ericsson, a telecommunications company based in Sweden, indicated that by the end of 2024, global cellular IoT connections had hit about 4 billion, and Broadband IoT is set to represent roughly 60% of these connections by 2030. Consequently, the expanding ubiquity of IoT is propelling the development of the pervasive computing technology market.

Who Are The Major Players In The Pervasive Computing Technology Market?
Major players in the Pervasive Computing Technology Global Market Report 2025 include:

• Microsoft Corporation
• Verizon Communications Inc.
• AT&T Inc.
• Dell Technologies Inc.
• Huawei Technologies Co. Ltd.
• Robert Bosch GmbH
• Panasonic Holdings Corporation
• Intel Corporation
• Xiaomi Corporation
• Schneider Electric SE

What Are The Prominent Trends In The Pervasive Computing Technology Market?
Prominent firms in the pervasive computing technology market are prioritizing the introduction of inventive wireless mobility solutions to augment enterprise connectivity and hasten market assimilation. These solutions integrate managed network services with cutting-edge backhaul technologies to enable secure, rapid, and uninterrupted connectivity throughout diverse business and industrial settings. For example, in May 2024, HCLTech, an IT services and consulting firm based in India, collaborated with Cisco, an American networking technology provider, to roll out the Pervasive Wireless Mobility as-a-Service. This integrated service blends HCLTech's managed network services and Cisco's Ultra-Reliable Wireless Backhaul (URWB) technology into a single comprehensive package. It guarantees secure and seamless connectivity across various sectors like manufacturing, mining, healthcare, retail, and logistics. This groundbreaking solution is distinguished by its ability to facilitate mission-critical communications, enhance operational efficiency, and sustain a scalable, robust pervasive

computing framework.

Which Segment Accounted For The Largest [Pervasive Computing Technology Market Share](#)?
The pervasive computing technology market covered in this report is segmented –

1) By Component: Hardware, Software, Services
2) By Technology: Internet Of Things (IoT), Artificial Intelligence, Sensor Networks, Cloud Computing
3) By Deployment Mode: On-Premises, Cloud
4) By Enterprise Size: Small And Medium Enterprises, Large Enterprises
5) By End-User: Banking, Financial Services, And Insurance (BFSI), Healthcare, Retail, Manufacturing, Information Technology (IT) And Telecommunications, Other End-Users

Subsegments:
1) By Hardware: Embedded Microcontrollers, Edge Gateways, Sensors And Actuators, Radio Frequency Identification Readers And Tags, Global Positioning System And Global Navigation Satellite System Modules, Wireless Local Area Network Access Points, Cellular Modules And Modems, Near Field Communication Modules
2) By Software: Device Operating Systems, Middleware And Device Management Platforms, Edge Analytics Software, Digital Twin Software, Artificial Intelligence And Machine Learning Frameworks, Data Integration And Application Programming Interface Management
3) By Services: Consulting And Advisory Services, System Integration And Deployment Services, Managed Services, Support And Maintenance Services, Training And Certification Services, Cloud Hosting And Infrastructure Services, Network Design And Optimization Services, Security Assessment And Compliance Services

View the full pervasive computing technology market report:
https://www.thebusinessresearchcompany.com/report/pervasive-computing-technology-global-market-report

What Are The Regional Trends In The Pervasive Computing Technology Market?
For the year specified in the Pervasive Computing Technology Global Market Report 2025, North America held the distinction of being the dominant region. It is projected that Asia-Pacific will experience the most rapid growth during the forecast period. The report analyzes the following regions: North America, Asia-Pacific, Western Europe, Eastern Europe, South America, Middle East, and Africa.

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Speak With Our Expert:
Saumya Sahay
Americas +1 310-496-7795
Asia +44 7882 955267 & +91 8897263534
Europe +44 7882 955267
Email: saumyas@tbrc.info

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Oliver Guirdham
The Business Research Company
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info@tbrc.info
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