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Fog Computing Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global fog computing market size reached US$ 174.3 Million in 2022. Looking forward, IMARC Group expects the market to reach US$ 361.0 Million by 2028, exhibiting a growth rate (CAGR) of 12.90% during 2022-2028.

Fog computing is a decentralized computing framework that facilitates computing, storage, control, and networking services between end devices and computing data centers. It reduces the amount of data required for sending to the cloud, thereby saving network bandwidth and minimizing the response time of the system. It also assists in making processing faster and improving the overall security and efficiency of the system. At present, it finds application in devices that require rigorous computation and processing and providing services over a large area at different geographical locations.

Fog Computing Market Trends:
The agility and flexibility of big data solutions have led to an increase in the use of the Internet of Things (IoT), thereby resulting in the growing volume of digital data generation. This represents one of the major factors encouraging enterprises and large organizations across the globe to adopt fog computing solutions for fulfilling the need of quickly accessing large amounts of data. Additionally, these solutions increase business agility by making the production of revenue-generating products and services more efficient. They also provide a common framework for seamless collaboration and communication. Thus, the growing awareness about the advantages associated with fog computing solutions is increasing their sales over cloud computing. Besides this, the growing data security concerns on account of the rising instances of cyber threats are also propelling their use to connect multiple devices to a network and identify threats, such as potential hacks or malware. Furthermore, the emerging trend of connected and

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modern vehicles is positively influencing the deployment of fog computing displays for car-to-car connectivity. Moreover, governments of several countries are investing in developing smart cities, which is creating a positive market outlook.

Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each sub-segment of the global fog computing market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, deployment models and application.

Breakup by Component:

Hardware
Gateways
Routers and Switches
IP Video Cameras
Sensors
Micro Data Center
Software
Fog Computing Platform
Customized Application Software

Breakup by Deployment Models:

Private Fog Node
Community Fog Node
Public Fog Node
Hybrid Fog Node

Breakup by Application:

Building and Home Automation
Smart Energy
Smart Manufacturing
Transportation and Logistics
Connected Health
Security and Emergencies

Breakup by Region:

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North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:
The competitive landscape of the industry has also been examined along with the profiles of the key players being ADLINK Technology Inc., Cisco Systems Inc., Cradlepoint Inc. (Telefonaktiebolaget LM Ericsson), Dell Technologies Inc., FogHorn Systems, Fujitsu Limited, General Electric, Hitachi Vantara Corporation (Hitachi Ltd.), Huawei Technologies Co. Limited, International Business Machines Corporation, Oracle Corporation and Toshiba Corporation.

Key Questions Answered in This Report
1. How big is the global fog computing market?
2. What is the expected growth rate of the global fog computing market during 2023-2028?
3. What are the key factors driving the global fog computing market?

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4. What has been the impact of COVID-19 on the global fog computing market?
5. What is the breakup of the global fog computing market based on the component?
6. What is the breakup of the global fog computing market based on the application?
7. What are the key regions in the global fog computing market?
8. Who are the key players/companies in the global fog computing market?

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Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

2.1 Objectives of the Study
2.2 Stakeholders
2.3 Data Sources
  2.3.1 Primary Sources
  2.3.2 Secondary Sources
2.4 Market Estimation
  2.4.1 Bottom-Up Approach
  2.4.2 Top-Down Approach
2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

4.1 Overview
4.2 Key Industry Trends

5 GLOBAL FOG COMPUTING MARKET

5.1 Market Overview
5.2 Market Performance
5.3 Impact of COVID-19
5.4 Market Forecast

6 MARKET BREAKUP BY COMPONENT

6.1 Hardware
  6.1.1 Market Trends
  6.1.2 Key Segments
    6.1.2.1 Gateways
    6.1.2.2 Routers and Switches
    6.1.2.3 IP Video Cameras
    6.1.2.4 Sensors

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6.1.2.5 Micro Data Center
6.1.3 Market Forecast
6.2 Software
6.2.1 Market Trends
6.2.2 Key Segments
6.2.2.1 Fog Computing Platform
6.2.2.2 Customized Application Software
6.2.3 Market Forecast

7 MARKET BREAKUP BY DEPLOYMENT MODELS

7.1 Private Fog Node
7.1.1 Market Trends
7.1.2 Market Forecast
7.2 Community Fog Node
7.2.1 Market Trends
7.2.2 Market Forecast
7.3 Public Fog Node
7.3.1 Market Trends
7.3.2 Market Forecast
7.4 Hybrid Fog Node
7.4.1 Market Trends
7.4.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

8.1 Building and Home Automation
8.1.1 Market Trends
8.1.2 Market Forecast
8.2 Smart Energy
8.2.1 Market Trends
8.2.2 Market Forecast
8.3 Smart Manufacturing
8.3.1 Market Trends
8.3.2 Market Forecast
8.4 Transportation and Logistics
8.4.1 Market Trends
8.4.2 Market Forecast
8.5 Connected Health

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8.5.1 Market Trends
8.5.2 Market Forecast
8.6 Security and Emergencies
8.6.1 Market Trends
8.6.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America
9.1.1 United States
9.1.1.1 Market Trends
9.1.1.2 Market Forecast
9.1.2 Canada
9.1.2.1 Market Trends
9.1.2.2 Market Forecast
9.2 Asia-Pacific
9.2.1 China
9.2.1.1 Market Trends
9.2.1.2 Market Forecast
9.2.2 Japan
9.2.2.1 Market Trends
9.2.2.2 Market Forecast
9.2.3 India
9.2.3.1 Market Trends
9.2.3.2 Market Forecast
9.2.4 South Korea
9.2.4.1 Market Trends
9.2.4.2 Market Forecast
9.2.5 Australia
9.2.5.1 Market Trends
9.2.5.2 Market Forecast
9.2.6 Indonesia
9.2.6.1 Market Trends
9.2.6.2 Market Forecast
9.2.7 Others
9.2.7.1 Market Trends
9.2.7.2 Market Forecast
9.3 Europe
9.3.1 Germany

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9.3.1.1 Market Trends
9.3.1.2 Market Forecast
9.3.2 France
9.3.2.1 Market Trends
9.3.2.2 Market Forecast
9.3.3 United Kingdom
9.3.3.1 Market Trends
9.3.3.2 Market Forecast
9.3.4 Italy
9.3.4.1 Market Trends
9.3.4.2 Market Forecast
9.3.5 Spain
9.3.5.1 Market Trends
9.3.5.2 Market Forecast
9.3.6 Russia
9.3.6.1 Market Trends
9.3.6.2 Market Forecast
9.3.7 Others
9.3.7.1 Market Trends
9.3.7.2 Market Forecast
9.4 Latin America
9.4.1 Brazil
9.4.1.1 Market Trends
9.4.1.2 Market Forecast
9.4.2 Mexico
9.4.2.1 Market Trends
9.4.2.2 Market Forecast
9.4.3 Others
9.4.3.1 Market Trends
9.4.3.2 Market Forecast
9.5 Middle East and Africa
9.5.1 Market Trends
9.5.2 Market Breakup by Country
9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview
10.2 Strengths

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10.3 Weaknesses
10.4 Opportunities
10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview
12.2 Bargaining Power of Buyers
12.3 Bargaining Power of Suppliers
12.4 Degree of Competition
12.5 Threat of New Entrants
12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure
14.2 Key Players
14.3 Profiles of Key Players
14.3.1 ADLINK Technology Inc.
14.3.1.1 Company Overview
14.3.1.2 Product Portfolio
14.3.1.3 Financials
14.3.2 Cisco Systems Inc.
14.3.2.1 Company Overview
14.3.2.2 Product Portfolio
14.3.2.3 Financials
14.3.2.4 SWOT Analysis
14.3.3 Cradlepoint Inc. (Telefonaktiebolaget LM Ericsson)
14.3.3.1 Company Overview
14.3.3.2 Product Portfolio
14.3.4 Dell Technologies Inc.
14.3.4.1 Company Overview
14.3.4.2 Product Portfolio
14.3.4.3 Financials
14.3.4.4 SWOT Analysis

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14.3.5 FogHorn Systems
14.3.5.1 Company Overview
14.3.5.2 Product Portfolio
14.3.6 Fujitsu Limited
14.3.6.1 Company Overview
14.3.6.2 Product Portfolio
14.3.6.3 Financials
14.3.6.4 SWOT Analysis
14.3.7 General Electric
14.3.7.1 Company Overview
14.3.7.2 Product Portfolio
14.3.7.3 Financials
14.3.7.4 SWOT Analysis
14.3.8 Hitachi Vantara Corporation (Hitachi Ltd.)
14.3.8.1 Company Overview
14.3.8.2 Product Portfolio
14.3.9 Huawei Technologies Co. Limited
14.3.9.1 Company Overview
14.3.9.2 Product Portfolio
14.3.10 International Business Machines Corporation
14.3.10.1 Company Overview
14.3.10.2 Product Portfolio
14.3.10.3 Financials
14.3.10.4 SWOT Analysis
14.3.11 Oracle Corporation
14.3.11.1 Company Overview
14.3.11.2 Product Portfolio
14.3.11.3 Financials
14.3.11.4 SWOT Analysis
14.3.12 Toshiba Corporation
14.3.12.1 Company Overview
14.3.12.2 Product Portfolio
14.3.12.3 Financials
14.3.12.4 SWOT Analysis

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List Of Tables

LIST OF TABLES

Table 1: Global: Fog Computing Market: Key Industry Highlights, 2022 and 2028
Table 2: Global: Fog Computing Market Forecast: Breakup by Component (in Million US$), 2023-2028
Table 3: Global: Fog Computing Market Forecast: Breakup by Deployment Models (in Million US$), 2023-2028
Table 4: Global: Fog Computing Market Forecast: Breakup by Application (in Million US$), 2023-2028
Table 5: Global: Fog Computing Market Forecast: Breakup by Region (in Million US$), 2023-2028
Table 6: Global: Fog Computing Market: Competitive Structure
Table 7: Global: Fog Computing Market: Key Players

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List Of Figures

LIST OF FIGURES

Figure 1: Global: Fog Computing Market: Major Drivers and Challenges
Figure 2: Global: Fog Computing Market: Sales Value (in Million US$), 2017-2022
Figure 3: Global: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 4: Global: Fog Computing Market: Breakup by Component (in %), 2022
Figure 5: Global: Fog Computing Market: Breakup by Deployment Models (in %), 2022
Figure 6: Global: Fog Computing Market: Breakup by Application (in %), 2022
Figure 7: Global: Fog Computing Market: Breakup by Region (in %), 2022
Figure 8: Global: Fog Computing (Hardware) Market: Sales Value (in Million US$), 2017 & 2022
Figure 9: Global: Fog Computing (Hardware) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 10: Global: Fog Computing (Software) Market: Sales Value (in Million US$), 2017 & 2022
Figure 11: Global: Fog Computing (Software) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 12: Global: Fog Computing (Private Fog Node) Market: Sales Value (in Million US$), 2017 & 2022
Figure 13: Global: Fog Computing (Private Fog Node) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 14: Global: Fog Computing (Community Fog Node) Market: Sales Value (in Million US$), 2017 & 2022
Figure 15: Global: Fog Computing (Community Fog Node) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 16: Global: Fog Computing (Public Fog Node) Market: Sales Value (in Million US$), 2017 & 2022
Figure 17: Global: Fog Computing (Public Fog Node) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 18: Global: Fog Computing (Hybrid Fog Node) Market: Sales Value (in Million US$), 2017 & 2022
Figure 19: Global: Fog Computing (Hybrid Fog Node) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 20: Global: Fog Computing (Building and Home Automation) Market: Sales Value (in Million US$), 2017 & 2022
Figure 21: Global: Fog Computing (Building and Home Automation) Market Forecast:

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Sales Value (in Million US$), 2023-2028
Figure 22: Global: Fog Computing (Smart Energy) Market: Sales Value (in Million US$), 2017 & 2022
Figure 23: Global: Fog Computing (Smart Energy) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 24: Global: Fog Computing (Smart Manufacturing) Market: Sales Value (in Million US$), 2017 & 2022
Figure 25: Global: Fog Computing (Smart Manufacturing) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 26: Global: Fog Computing (Transportation and Logistics) Market: Sales Value (in Million US$), 2017 & 2022
Figure 27: Global: Fog Computing (Transportation and Logistics) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 28: Global: Fog Computing (Connected Health) Market: Sales Value (in Million US$), 2017 & 2022
Figure 29: Global: Fog Computing (Connected Health) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 30: Global: Fog Computing (Security and Emergencies) Market: Sales Value (in Million US$), 2017 & 2022
Figure 31: Global: Fog Computing (Security and Emergencies) Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 32: North America: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 33: North America: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 34: United States: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 35: United States: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 36: Canada: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 37: Canada: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 38: Asia-Pacific: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 39: Asia-Pacific: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 40: China: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 41: China: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028

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Figure 42: Japan: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 43: Japan: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 44: India: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 45: India: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 46: South Korea: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 47: South Korea: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 48: Australia: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 49: Australia: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 50: Indonesia: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 51: Indonesia: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 52: Others: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 53: Others: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 54: Europe: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 55: Europe: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 56: Germany: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 57: Germany: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 58: France: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 59: France: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 60: United Kingdom: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 61: United Kingdom: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 62: Italy: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 63: Italy: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 64: Spain: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 65: Spain: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028

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Figure 66: Russia: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 67: Russia: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 68: Others: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 69: Others: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 70: Latin America: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 71: Latin America: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 72: Brazil: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 73: Brazil: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 74: Mexico: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 75: Mexico: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 76: Others: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 77: Others: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 78: Middle East and Africa: Fog Computing Market: Sales Value (in Million US$), 2017 & 2022
Figure 79: Middle East and Africa: Fog Computing Market: Breakup by Country (in %), 2022
Figure 80: Middle East and Africa: Fog Computing Market Forecast: Sales Value (in Million US$), 2023-2028
Figure 81: Global: Fog Computing Industry: SWOT Analysis
Figure 82: Global: Fog Computing Industry: Value Chain Analysis
Figure 83: Global: Fog Computing Industry: Porter's Five Forces Analysis

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