

Smart Thermostat Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 - 2032

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Abstracts

The Global Smart Thermostat Market was valued at USD 3.7 billion in 2023 and is expected to grow at an impressive CAGR of 21% from 2024 to 2032. This growth is largely fueled by the increasing adoption of IoT and smart home technologies, which provide consumers with enhanced convenience and significant energy savings. Smart thermostats have become an integral part of modern connected homes, offering features like remote control, automation, and real-time monitoring that meet the needs of today's tech-savvy users. Government initiatives supporting the adoption of energy-efficient appliances are also playing a key role in driving market expansion. Various programs and regulations aimed at promoting energy efficiency offer incentives, such as rebates and certifications, which appeal to homeowners seeking to reduce both energy consumption and costs.

This policy-driven push encourages more consumers to invest in smart thermostats, knowing they can achieve both environmental and financial benefits. The market is also being shaped by the growing emphasis on reducing carbon emissions. As global efforts to tackle climate change intensify, the demand for energy-efficient solutions is rising. Smart thermostats are central to these efforts, as they help optimize the operation of heating and cooling systems, preventing energy waste and supporting greener living environments.

The integration of AI and machine learning technologies is further enhancing the market, allowing smart thermostats to learn user habits, predict temperature patterns, and make automatic adjustments that improve energy efficiency and comfort. Standalone smart thermostats are gaining traction due to their affordability and ease of use, though their simpler functionality limits their appeal in regions with high demand for advanced smart home integration. Learning smart thermostats, which leverage AI to adapt to user preferences, are becoming increasingly popular due to their ability to

optimize energy use and personalize comfort. In terms of technology, Wi-Fi-based thermostats lead the market, offering robust connectivity and seamless smart home integration.

However, Zigbee-based thermostats are projected to grow the fastest, driven by their energy-efficient capabilities. North America holds the largest market share, with increasing demand for smart thermostats driven by energy efficiency initiatives and widespread consumer interest in IoT-enabled smart homes. The region's focus on sustainability and smart technology is expected to continue driving growth.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definition
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid sources
 - 1.4.2.2 Public sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis, 2021 - 2032

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Vendor matrix
- 3.3 Profit margin analysis
- 3.4 Technology & innovation landscape
- 3.5 Patent analysis
- 3.6 Key news and initiatives
- 3.7 Regulatory landscape
- 3.8 Impact forces
 - 3.8.1 Growth drivers
 - 3.8.1.1 Increased adoption of IoT and smart homes
 - 3.8.1.2 Government initiatives for energy efficiency
 - 3.8.1.3 Growing focus on reducing carbon emissions
 - 3.8.1.4 Advancements in AI and machine learning technologies
 - 3.8.1.5 Rising energy costs and demand for cost-effective solutions
 - 3.8.2 Industry pitfalls & challenges
 - 3.8.2.1 High initial costs and installation complexity
 - 3.8.2.2 Privacy and data security concerns
- 3.9 Growth potential analysis

- 3.10 Porter's analysis
 - 3.10.1 Supplier power
 - 3.10.2 Buyer power
 - 3.10.3 Threat of new entrants
 - 3.10.4 Threat of substitutes
 - 3.10.5 Industry rivalry
- 3.11 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2023

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY PRODUCT TYPE, 2021 - 2032 (USD MILLION)

- 5.1 Key trends
- 5.2 Standalone smart thermostats
- 5.3 Learning smart thermostats
- 5.4 Connected smart thermostats

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY TECHNOLOGY, 2021 - 2032 (USD MILLION)

- 6.1 Key trends
- 6.2 Wi-Fi
- 6.3 Bluetooth
- 6.4 Zigbee
- 6.5 Others

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY INSTALLATION TYPE, 2021 - 2032 (USD MILLION)

- 7.1 Key trends
- 7.2 Wired
- 7.3 Wireless

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY CONNECTIVITY, 2021 - 2032 (USD MILLION)

- 8.1 Key trends
- 8.2 Smartphone-enabled
- 8.3 Voice Assistance-enabled
- 8.4 App-based
- 8.5 Cloud-based

CHAPTER 9 MARKET ESTIMATES & FORECAST, BY END-USE INDUSTRY, 2021 - 2032 (USD MILLION)

- 9.1 Key trends
- 9.2 Residential buildings
- 9.3 Commercial buildings
- 9.4 Industrial facilities
- 9.5 Retail and restaurants
- 9.6 Government and public buildings
- 9.7 Others

CHAPTER 10 MARKET ESTIMATES & FORECAST, BY REGION, 2021 - 2032 (USD MILLION)

- 10.1 Key trends
- 10.2 North America
 - 10.2.1 U.S.
 - 10.2.2 Canada
- 10.3 Europe
 - 10.3.1 UK
 - 10.3.2 Germany
 - 10.3.3 France
 - 10.3.4 Italy
 - 10.3.5 Spain
 - 10.3.6 Rest of Europe
- 10.4 Asia Pacific
 - 10.4.1 China
 - 10.4.2 India
 - 10.4.3 Japan
 - 10.4.4 South Korea

- 10.4.5 ANZ
- 10.4.6 Rest of Asia Pacific
- 10.5 Latin America
 - 10.5.1 Brazil
 - 10.5.2 Mexico
 - 10.5.3 Rest of Latin America
- 10.6 MEA
 - 10.6.1 UAE
 - 10.6.2 South Africa
 - 10.6.3 Saudi Arabia
 - 10.6.4 Rest of MEA

CHAPTER 11 COMPANY PROFILES

- 11.1 Advantage Engineering, Inc.
- 11.2 Aermec S.p.A.
- 11.3 Airedale International Air Conditioning
- 11.4 Baltimore Aircoil Company (BAC)
- 11.5 Blue Star Limited
- 11.6 Carrier Corporation
- 11.7 Clivet S.p.A.
- 11.8 Daikin Industries, Ltd.
- 11.9 Dunham-Bush
- 11.10 Frigel Group
- 11.11 Gree Electric Appliances, Inc.
- 11.12 Haier Group Corporation
- 11.13 Johnson Controls
- 11.14 LG Electronics
- 11.15 Midea Group
- 11.16 Mitsubishi Electric Corporation
- 11.17 Multistack, LLC
- 11.18 Rheem Manufacturing Company
- 11.19 Shuangliang Eco-Energy Systems Co., Ltd.
- 11.20 Swegon Group AB
- 11.21 Thermax Global
- 11.22 Toshiba Carrier Corporation
- 11.23 Trane Technologies

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