

Smart Container Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031)

> ****Industry:**** Smart, Active & Intelligent Packaging (Packaging)
> ****Source:**** <https://www.mordorintelligence.com/industry-reports/smart-container-market>
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Executive Market Summary

Market Metric	Details
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Base Market Size	USD 6.13 billion
Projected Forecast (2031)	USD 6.13 billion
Growth Rate (CAGR)	18.13 %
Largest Market Region	Home
Fastest-Growing Region	Home

Market Visualizations & Infographics

![Smart Container Market (2025 - 2030)](images/chart_1.png)

Comprehensive Research Analysis

Market Overview

Smart Container Market Analysis by Mordor IntelligenceThe smart container market size is expected to grow from USD 5.19 billion in 2025 to USD 6.13 billion in 2026 and is forecast to reach USD 14.08 billion by 2031 at 18.13% CAGR over 2026-2031. Momentum stems from the maritime sector’s push to digitize after recent supply-chain shocks highlighted costly visibility gaps. Lower IoT hardware prices, wider satellite coverage, and stricter traceability rules are prompting operators to retrofit fleets. Refrigerated cargoes, pharmaceuticals, and temperature-sensitive foods continue to anchor deployments, while falling sensor costs and energy-harvesting modules are opening the door for dry-box adoption. Regional leadership remains with North America as firms comply with Food and Drug Administration traceability timelines, yet Asia-Pacific shows the quickest acceleration due to infrastructure spending tied to trans-Asian trade routes and new manufacturing hubs.

Key Market Trends

Global Smart Container Market Trends and InsightsDrivers Impact Analysis

Scope Of The Report

Global Smart Container Market Report Scope The smart container market refers to the industry focused on containers equipped with advanced technologies such as IoT, GPS, and sensors for real-time monitoring and data transmission. These containers are used to track and manage cargo conditions, improving efficiency, security, and visibility in supply chains. The market includes applications across various sectors like logistics, healthcare, and food transportation.

The Smart Container Market is segmented by connectivity (GPS, cellular-based, Bluetooth low energy (BLE), LoRaWAN, and other technologies), component (hardware, software, services), industry vertical (logistics and transportation, healthcare, food and beverages, retail and e-commerce, manufacturing, and other industry verticals), and geography (North America, Europe, Asia Pacific, Latin America, Middle East, and Africa).The market sizes and forecasts are provided in terms of value (USD) for all the above segments.

Frequently Asked Questions

What is the current value of the smart container market?

The smart container market is worth USD 6.13 billion in 2026 and is forecast to reach USD 14.08 billion by 2031.

Which connectivity technology leads the market?

GPS remains dominant with 35.80% share in 2025, while LoRaWAN is expanding fastest at a 18.52% CAGR.

Why are refrigerated containers adopting smart technology first?

Strict temperature-control rules for pharmaceuticals and perishable foods make continuous monitoring mandatory, giving refrigerated units 54.70% share in 2025.

Which region grows fastest in smart container adoption?

Asia-Pacific shows the highest trajectory with a projected 19.05% CAGR through 2031, driven by Belt and Road infrastructure and manufacturing logistics.

How do regulations influence market growth?

Rules such as the FDA's FSMA 204 require traceability within 24 hours, pushing shippers to digital solutions that smart containers supply.

What are the main barriers slowing wider rollout?

High retrofitting costs, fragmented interoperability standards, and rising cyber security risks collectively temper adoption, especially for smaller operators.