

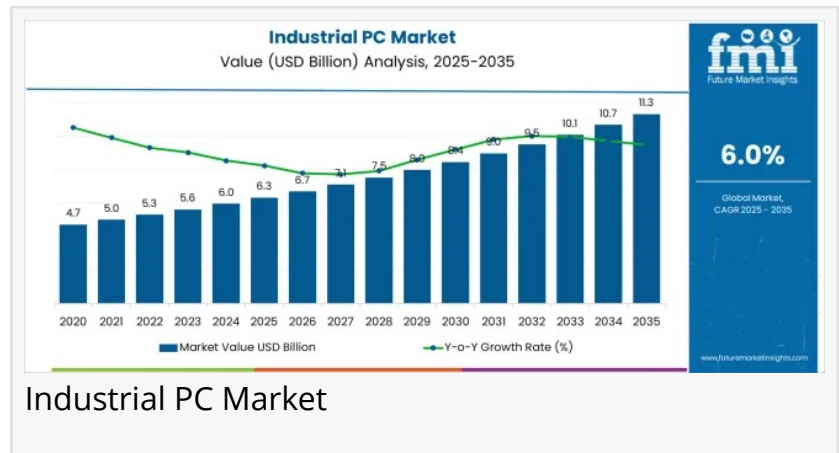
Global and European Industrial PC Market Outlook 2025-2035 – Driving Growth Through Automation & Edge Intelligence

Industrial PC market to expand from USD 6.3 Billion in 2025 to USD 11.3 Billion by 2035 at 6 % CAGR.

NEWARK, DE, UNITED STATES,
November 13, 2025 /

EINPresswire.com/ -- The global and European [Industrial PC Market](#), starting from an estimated USD 6.3 billion in 2025, is projected to reach approximately USD 11.3 billion by

2035, registering a compound annual growth rate (CAGR) of around 6.0 %. This robust expansion reflects the increasing demand for ruggedised and connected computing systems at the heart of Industry 4.0, edge analytics, and smart infrastructure deployments across Europe and globally.



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As automation accelerates across manufacturing, energy, and logistics, this release highlights how the Industrial PC market is poised for sustained growth and transformation.”

*opines Nikhil Kaitwade,
Associate Vice President at
FMI*

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Key Market Drivers & Regional Outlook

Several structural and technology-led factors are shaping the market’s trajectory:

- Automation Acceleration: Rapid adoption of automation and digital transformation initiatives in manufacturing, energy, utilities, and logistics is boosting demand for

advanced computing solutions.

- Edge Intelligence: Industrial PCs are becoming the backbone for IoT, AI, and edge computing solutions, enabling real-time monitoring, predictive maintenance, and mission-critical decision-making.

- Rugged Reliability: The increasing need for durable and temperature-resilient computing systems capable of withstanding harsh industrial conditions is fueling growth.
- Regional Momentum: Asia-Pacific continues to lead in volume growth, while Europe and North America are seeing accelerated modernization and retrofit cycles in established facilities.

In Europe, the shift toward smart factories, sustainability compliance, and secure automation systems is driving investment in industrial PC infrastructure. Manufacturers offering scalable and modular systems, capable of integrating edge-to-cloud platforms, are gaining a competitive edge.

Market Segmentation Highlights

- Panel Industrial PCs are expected to account for nearly 42% of the total market value in 2025, reflecting their increasing use in factory automation and process control.
- Direct Sales Channels are projected to capture more than 60% of market revenue in 2025, owing to demand for customized hardware configurations and integrated software services.
- End-User Industries: Discrete manufacturing, semiconductors, and energy & power sectors represent major adopters, while embedded and DIN-rail IPC segments are forecast to grow at above-average rates.

Competitive Landscape

Leading players such as Advantech, Beckhoff Automation, Kontron S&T, Siemens AG, and American Portwell Technology are focusing on product innovation, lifecycle support, and cybersecurity-enhanced platforms. As industrial systems increasingly require low-latency analytics, the market is shifting from hardware-centric models to integrated software-hardware ecosystems.

Strategic partnerships, mergers, and regional manufacturing expansions are expected to define the competitive landscape between 2025 and 2035. Vendors offering modularity, upgradeability, and AI-enabled data analytics will continue to gain market traction.

Outlook & Industry Implications

From 2025 to 2035, the industrial PC industry's projected US \$5 billion growth presents significant opportunities for technology suppliers, OEMs, and automation service providers.

Key focus areas include:

- Leveraging retrofit cycles in manufacturing and energy sectors.
- Capitalizing on policy-driven automation initiatives across the EU.
- Enhancing cybersecurity, interoperability, and device lifecycle management.

While challenges such as component shortages, cost fluctuations, and rapid technological shifts may persist, the market's long-term outlook remains strongly positive. The convergence of AI, IoT, and edge computing will redefine industrial computing infrastructure, positioning industrial PCs as the command center of future smart operations.

Why This Matters

With global industries undergoing digital transformation, industrial PCs have evolved from traditional control units to intelligent edge-computing hubs. They enable real-time data visualization, machine-to-machine communication, and predictive diagnostics—core capabilities for modern manufacturing resilience. Organizations investing early in scalable, future-ready IPC architectures are set to achieve enhanced operational efficiency and sustainability outcomes.

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Contact Us:

Future Market Insights Inc.
Christiana Corporate, 200 Continental Drive,
Suite 401, Newark, Delaware - 19713, USA
T: +1-347-918-3531

Why FMI: <https://www.futuremarketinsights.com/why-fmi>

Website: <https://www.futuremarketinsights.com>

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Sudip Saha

Future Market Insights Inc.

+1 347-918-3531

[email us here](#)

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