

3 Benefits of Edge Computing for Digital Transformation

Drive Success by Supporting the Internet of Things

Rise of the Internet of Things

Businesses in all industries are facing an ultimatum — adapt or risk falling behind digital natives. There's no single, universal approach to digital transformation. But if there's one common factor driving many digital transformation initiatives, it's the rise of the Internet of Things (IoT).

25 Billion:
The number of connected devices there will be by 2021.¹

127:
The number of new IoT devices that connect to the internet every second.²

\$6.5 Trillion:
The projected global IoT market value by 2024.³

Digital Transformation Challenges at the Edge

IoT applications might present unique challenges for digital transformation strategies, which could force you to reevaluate your IT environment.



Bandwidth: The volume of data some IoT applications create can be staggering, similar sending it all to the cloud.



Latency: Cloud services aren't optimal for applications that require extremely low latency.



Compliance: The way personal information is handled is tightly controlled, including where it's stored and how it's transmitted.



Each of these challenges call for a new IT model. And there's one that's capable of unlocking IoT benefits and driving digital transformation success — edge computing.

Growth of the Edge Computing Market

In efforts to support expanding IoT applications, IT teams are investing more in edge computing solutions.

Getting edge computing investments right is the key to unlocking digital transformation benefits.

27.6%:

The compound annual growth rate of the edge analytics market through 2025.⁵

18%:

By 2020, edge infrastructure spending will account for 18% of IT spending.⁴

\$6.72 Billion:

The expected value of the mobile edge computing market by 2023.³

3 Digital Transformation Benefits Driven by Edge Computing

Edge computing can help you take advantage of IoT applications within a digital transformation strategy and unlock key business benefits.

- ➔ **Improve Customer Experience:**
Support real-time data analysis and processing to provide accurate information, optimize usage, personalize communications, and more.
- ➔ **Increase Operational Efficiency:**
Unlock processes like predictive maintenance across the IT infrastructure to streamline operations and cut costs on the back end.
- ➔ **Develop New Revenue Streams:**
Minimizing bandwidth and latency while cutting costs of data streaming opens the door for more innovative products and services to diversify revenue.



Conclusion

Unlock digital transformation benefits with edge computing and the right IT infrastructure solutions. Micro Data Center Solutions like EcoStruxure from APC[®] by Schneider Electric help you design, deploy, and operate the physical infrastructure for any edge environment. Partnering with an expert can provide the support needed to handle the unforeseen challenges of edge computing with an affordable, top-quality product that exceeds your expectations.

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¹ Gartner, "Gartner Identifies Top 10 Strategic IoT Technologies and Trends," Nov 2018.

² McKinsey & Company, "McKinsey Global Institute analysis," June 2015.

³ Energias Market Research, "Global Internet of Things (IoT) Market Outlook, Trend and Opportunity Analysis, Competitive Insights, Actionable Segmentation & Forecast 2024," Apr 2018.

⁴ IDC, "IDC FutureScape: Worldwide IoT 2018 Predictions," Oct 2017.

⁵ Transparency Market Research, "Edge Analytics Market – Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2017 – 2025," Oct 2019.