



What Is Edge Computing?

Process and analyze data closer to the point of capture—at the network edge—for near-real-time insights that support time-sensitive applications, cost efficiencies, and innovation.

Edge Computing at a Glance

Business challenges:

Enterprises need fast analytics for safety, reliability, and optimization.

Cloud processing is costly and can't support time-sensitive applications.

Edge locations often have harsh conditions with space and power constraints.

Enterprises struggle with dependency on inefficient manual processes.

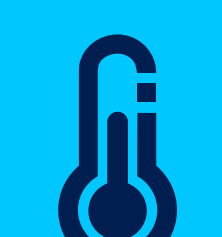
Solution:



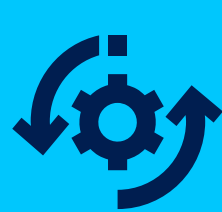
Edge computing enables intelligence wherever it's needed.



Edge processing drives fast insights without waiting on the cloud.



Many edge designs can operate in harsh conditions and at low power.



Edge AI can automate manual workflows to improve output and uptime.

Benefits of Edge Computing

Processing data at the edge helps drive efficiencies and innovation.

Fast results: Save time and cost without the need to send data to the cloud for processing.

Improved reliability: Act quickly on available data even in locations with poor connectivity.

Tighter control: Keep data at the edge to help reduce security and compliance risks.

New opportunities: Deploy more compute power for AI in hard-to-reach locations.



Edge Computing Use Cases



Retail

Intelligent kiosks
Cashierless checkout
Smart vending machines



Manufacturing

Assembly line sensors
Predictive analytics
Machine vision defect detection



Education

Adaptive, interactive learning
Smart campus systems
Hazard detection



Healthcare and life sciences

AI patient monitoring
Medical imagery analysis
Automated lab equipment



Edge computing drives fast insights
for automation and innovation

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