



MODERN INFRASTRUCTURE AND MULTICLOUD

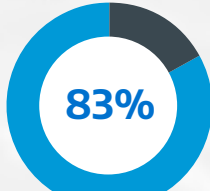
Edge Infrastructure Unlocks Innovation



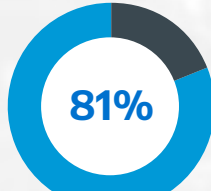
Edge computing architectures can dramatically improve the performance of highly distributed business-critical applications, enabling innovation.

Edge computing moves processing to the edge of the enterprise network where it is closest to users and devices — and, most critically, where the data that must be processed is generated.

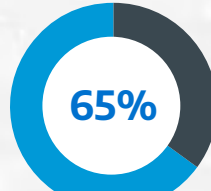
According to Accenture, edge computing is now poised to become a ubiquitous lever of scale and reinvention, especially as AI- and ML-based applications become more pervasive in the enterprise.



think edge computing will be essential for future competitiveness.¹



believe waiting too long for adoption will lock them out of the benefits.¹



of respondents are using edge systems to some degree today.¹

Compared to their competitors, the most advanced edge adopters are:

4x more innovative² >>>>

9x more efficient² >>>>>>>>

Nearly 7x more cost-effective² >>>>>>>

Paired with AI, edge computing drives real-world benefits:

For retailers, AI will increase profitability rates by 59%.³

- Check-out automation/loss prevention
- Shopping recommendation/customer engagement

For manufacturers, predictive maintenance at the edge reduces downtime by up to 45%.³

- Quality control/visual inspection
- Production line, robotics and process optimization, digital twins

For financial institutions, credit risk optimization reduces loss and default rates by 20%.³

- Fraud detection and threat intelligence
- Personalized banking and customer service

For healthcare providers, translation of mammograms occurs 30x faster with 99% accuracy.³

- Medical imaging/diagnosis treatment
- Clinical Decision Support (CDS)

Massive amount of data created at the edge:

- Only **2%** of data created is processed³
- Too much **data** to physically move to the cloud³
- Huge **cloud cost** for data intake and process³
- Innovation in new **ruggedized, small form factor servers** designed to operate in edge environments³

Edge computing has unique requirements:³

Environmental

- Wide temperature ranges
- Shock and vibration
- Dust filtering and fanless operation
- Low acoustic impact

Security

- Flexible storage encryption options and secure boot
- Authentication options for secure and efficient local and remote management
- Movement and tamper detection
- Physical security

Continuity

- Dynamic/intermittent connectivity
- Modified clustering architectures for reduced cluster sizes
- High availability features for rapid recovery

Management

- Convergence of tooling for data center and edge systems management
- Highly automated systems provisioning and cluster deployment
- New approaches to configuration management

Sustainability

- Power savings achieved through systems management (telemetry/cooling)
- Recycled composite material and reduced packaging
- DC power options including POE+ and FMP

How Connection Can Help

Connection is your partner for modern infrastructure and cybersecurity solutions and services. From hardware and software to consulting and customized solutions, we're leading the way in infrastructure modernization.

Explore our Solutions and Services

[Modern Infrastructure](#)
[Cybersecurity](#)
[Lenovo Products Showcase](#)

Contact an Expert
1.800.998.0067

IN PARTNERSHIP WITH



Sources:

¹ Accenture, [Leading with edge: How to reinvent with data and AI](#)
² Accenture, [How integrating edge with cloud, data and AI unlocks value](#)
³ Lenovo, [Empowering AI Through ThinkEdge AI-ready Platforms](#)

Connection®
we solve IT™