

ON GUARD: YOUR DATA CENTER

Digital Transformation Presents New Data Center Challenges

Data centers are entering a new transformational era.

The colocation **data center market is growing at a 15.4%** compound annual growth rate (CAGR) from 2016 through 2020.¹

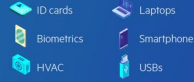
The data center is a strategic lever to support business acceleration requirements:²

- Addressing emerging markets
- Lowering costs while improving operating efficiencies
- Creating more and better customer engagement
- Tapping new revenue opportunities

Physical & Cyber Security: What's at Stake

Traditional IP-enabled physical devices now represent threats to cyber security.

IoT devices experience an average of **5,200 attacks** per month.³



Creating a Physical Security Checklist for your Data Center

Evaluate data center solutions based on the following criteria:

- Is your data center redundant?
- Can the building withstand attack or disaster?
- Are entry and exit points limited?
- What physical intrusion detection policies are in place?
- Is multi-factor authentication employed?
- Are hardened access layers used?

Authenticate

4X for secure areas of data centers⁴

Cyber Threats to the Data Center

The biggest challenge to data center security is cyber threats:



Why Data Centers Have Become a Target⁸

- Financial gain and notoriety
- Theft of intellectual property
- Theft of private customer data
- Financial loss from operational outages
- Social and environmental damage
- To compromised national security assets



The Future of Data Center Security

Data center leaders need to embrace additional cyber and physical security strategies.



Data Governance

Enterprises see **50% growth** in unstructured data per year.⁵

Cloud Transparency + Controls

90% of the organizations that fail to control public cloud use will share sensitive data.⁶

Security Integration

Only **58% of IT leaders** have security policies in place to manage data access.⁷

Protecting the Edge of the Network

IoT poses substantial risk because devices cannot be managed with traditional security models.⁹

Threat Intelligence

While the majority of IT leaders understand the importance of threat intelligence, **only 41%** of them are making progress in improving its effectiveness.¹⁰

Enabling DX through Data Centers

DX is driving a transformation of the data center that presents new security challenges.

