

EION BYTES

The official solution update of EION Wireless



The Connected Buildings Solution

Sense, Respond and Adapt



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The Connected Buildings interacts with its environment...it senses, responds, and adapts to enable humans to live, learn, and work easily. The promise of the Connected Building begins with the installation of Smart Infrastructure — the highly complex, internal ecosystem of **sensors, devices, applications, and cabling** that becomes the building's central nervous system.

Demand for IoT-enabled buildings is growing exponentially. Our customers need **spaces that are interactive, adaptive, automated, and secure**. We apply our broad portfolio of IT solutions to take the complexity out of connected buildings and make it simple for our customers by giving them one trusted partner to handle their IT services. We work with our clients to craft a solution that creates consistent customer experiences and reliable communications at every location.





What is a Connected Building?

A Connected Building is a building that provides seamless connectivity to people and devices, thanks to foundational technologies that power transformation, including structured cabling, networking solutions and deploying devices and endpoints.

Technologies Driving Connectivity?

Driving Connected Buildings implementations are employee and customer expectations for better end-user experiences and digital transformation. Technologies that can help us fulfill our customers' expectations are:

- *5G/CBRS and WiFi 6 which enable fully wireless buildings that deliver analytics in real-time, thanks to higher and cheaper bandwidth.*
- *Smart Sensors Smart Signage SD-WAN*
- *Edge Computing*
- *Data Centers to collect data where it's created and combine it. AI to make smarter devices.*
- *Cyber Security for governance and assessments, incident and event monitoring, endpoint detection and response, and VPN and firewall services.*

Anything can be Connected, will it be Connected?

Buildings, People, Smartphones, Tablets, Smart Lighting, Sensors, anything that can be connected will be connected inside the smart Connected Building. According to an Ericsson Mobility Report, 29 billion devices will be communicating in a digital cacophony that will reverberate deeply into our personal and work lives.

How many Buildings?

Our goal is to deploy uniform technology at one site, or hundreds of sites, with consistent, repeatable outcomes. Important goals are:

- *Consistency across all locations Remote IT support*
- *Proactive maintenance and monitoring Scalable, flexible deployment models New and Secure technology*



Sensors: Tracking occupancy and creating heat maps of a building's occupants can help ensure safe social distancing.



Digital Workspace: Maintaining business continuity in today's Digital Workplace with technology that lets you, your team and your customers communicate and collaborate from anywhere.

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