



## Technology. Designed.

The **foundation and future of IoT** is built on collaboration between industry professionals across the globe, paving the way to a world of seamless interaction that is transforming the way we live, work and play. Our members are at the top of their technical fields and are fueled by the expertise needed to unlock its potential.



Matter is the foundation for connected things. This industry-unifying standard has a promise of reliable, secure connectivity—a seal of approval that devices will work seamlessly together, today and tomorrow. Matter is creating more connections between more objects, simplifying development for manufacturers and increasing compatibility for consumers.

### **Simplicity**

Easy to purchase and use

### **Interoperability**

Devices from multiple brands work natively together

### **Reliability**

Consistent and responsive local connectivity

### **Security**

Robust and streamlined for developers and users



Zigbee is the full-stack solution for all smart devices. It's the most widely adopted and complete IoT solution—from mesh network to the universal language that allows smart objects to work together.

### **Globally Adopted**

Extensive library of applications and devices deployed by hundreds of companies around the world

### **Interoperable**

Large ecosystem of products to choose from that work seamlessly together

### **Reliable and Low-Power**

Proven, self-healing mesh network eliminates single points of failure with minimal power consumption

### **Secure**

Secure by design with a variety of security mechanisms including over-the-air AES-128-CCM encryption

## Access Control

Today, smart access control solutions for home and business are fragmented with various proprietary solutions. Card or token-based access control for commercial or business facilities can be difficult to use and manage, lacking the consistent user experience and cross-platform interoperability that would allow for easier credential management, simpler controls and expanded adoption beyond large enterprises.

To promote an access control ecosystem, a standardized solution is needed. The Access Control Working Group is defining, developing, and delivering a comprehensive direct/point-to-point access control application layer for door locks, readers, mobile devices, and related services for commercial building enterprise and home use.

## Product Security

As attacks against IoT systems continue to grow, requirements are materializing, from governmental standards and regulations to emerging national certification and labeling programs. Keeping up with these diverging requirements will be challenging and may lead to high costs and complexity.

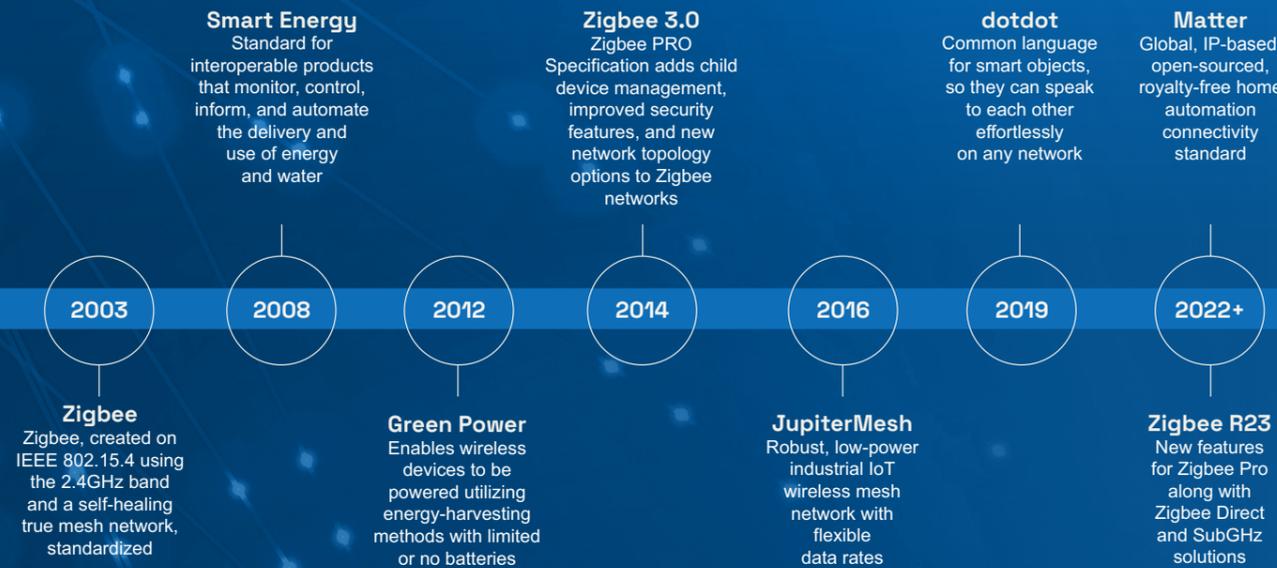
A standardized approach will help assure the security of IoT products while removing the burden of adherence to multiple requirements. With broad participation, the Product Security Working Group is developing a product security certification program looking across these varied regulations and establishing a global, harmonized approach. Product Security Certification grants a mark recognized by regulators and consumers as a seal confirming the product meets these security requirements.

Building the  
**foundation  
& future**  
of the IoT



Since 2002 the Connectivity Standards Alliance has been dedicated to **simplifying** the complex, creating an open path to IoT adoption and innovation, and promoting **universal open standards**, enabling all objects to securely connect and interact.

## History of Our Technology Expansion



We are a multi-standards organization, focused on building an inclusive community, **enabling market growth** for the industry, and **accelerating value delivery** to members, customers and consumers.

## Collaborative Community

The Connectivity Standards Alliance guides the IoT forward by simplifying and harmonizing technology standards across the industry. By fostering unprecedented collaboration, we are building a better, more connected world together.

We bring together global competitors and partners alike from across the value chain, to work side-by-side and create better outcomes through a **collaborative** culture and community. We provide our members with the infrastructure and processes for consensus-driven standards with **actionable** outcomes. By using our standards and assets, developers can focus more energy on creating the most **innovative**, usable, and accessible IoT products.

Over 5,200 member representatives from nearly 600 global member companies collaborate to **develop** open, global standards for the Internet of Things (IoT), **certify** products to help ensure interoperability, and **promote** use of our standards around the world.

## Testing & Certification

**Protecting investments. Speeding development. Building trust in the market.** The Alliance offers certification programs demonstrating things work as specified. This helps members avoid costly, fragmented development cycles and protects customers' and consumers' investments by ensuring device interoperability.

### Programs

- End Product and Platform Certification
- Certification by Similarity, to support product variants
- Certification Transfer Program

## Commitment to Diversity

As a global organization supporting the inclusion of diverse perspectives and experiences, we seek opportunities, such as working with the World Economic Forum to strengthen global collaboration, to enhance this commitment. We welcome all voices and contributions to make the IoT more open, equitable, and accessible.

## Become a Member

Join the Connectivity Standards Alliance today and work with the world's most innovative companies to build a better, more connected world together.

Learn more at [www.csa-iot.org](http://www.csa-iot.org).

