Building the
foundation & future
of the IoT

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

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.

aliro

Aliro is the industry-standard access credential and communication protocol, defined by major industry leaders, and offers a secured, convenient, and consistent experience when using smartphones, wearables, or other user devices to unlock doors and openings. Aliro will enable users to experience the power of open access.

Data Privacy

The Data Privacy Working Group aims to develop a certification program designed to evaluate data privacy controls of IoT devices and services that align and conform with Alliance Data Privacy specifications. This certification program aims to guide consumers and instill trust by strengthening the areas of transparency, best practices, and verification.

zigbee

Zigbee is the most widely adopted and complete IoT solution. From mesh network to the universal language that allows smart objects to work together, Zigbee is built with backwards and forwards compatibility in mind. It increases choice and flexibility for users and developers, and delivers the confidence that products and services will work together through standardization and testing of all layers of the stack.

Product Security

The Product Security Working Group (PSWG) is tasked with creating a product security certification program indicating conformance to security best practices, technical capabilities, and existing product security regulations. The PSWG's efforts to establish and maintain this certification standard ensure the security of IoT devices and that products satisfy a baseline security threshold. This recognized certification mark will provide customers peace of mind and inspire consumer trust and confidence in the rapidly evolving IoT landscape.

Health & Wellness

The Health & Wellness Working Group aims to develop technical standards and a certification program for IoT device interoperability. The initial focus begins with support for healthy and independent living by utilizing valuable data from connected smart home devices. The Working Group intends to address the aging demographic and leverage the momentum of smart home connectivity allowing elderly individuals to retain independence and avoid assisted care facilities.
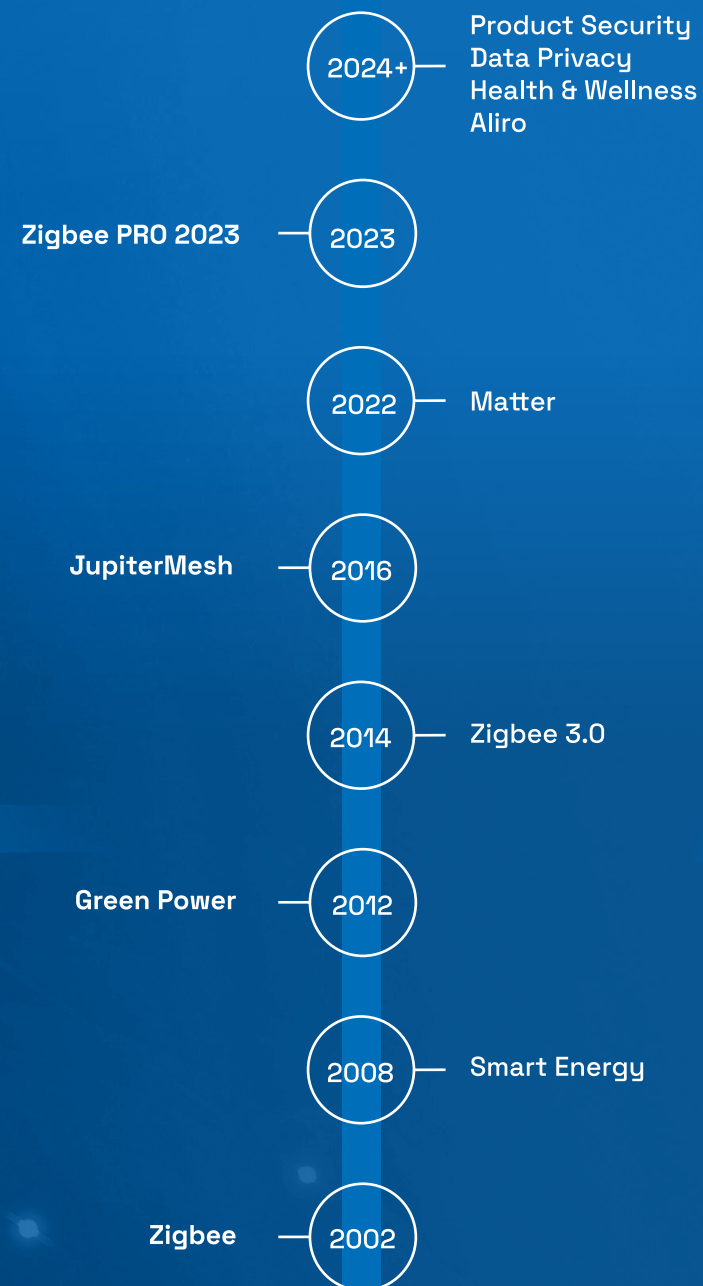
csa
connectivity standards alliance

Connecting Our World

We believe all objects can work together to enhance our day-to-day experiences, and together we create the standards, tools, and platforms which make this possible. 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 and interoperability**, enabling all objects to securely connect and interact.

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

History of Our Technology Expansion

Year	Technology
2024+	Product Security Data Privacy Health & Wellness Aliro
2023	Zigbee PRO 2023
2022	Matter
2016	JupiterMesh
2014	Zigbee 3.0
2012	Green Power
2008	Smart Energy
2002	Zigbee

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 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.

With thousands of individuals from hundreds of member companies worldwide across the value chain collaborating 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.

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 create, evolve, and promote universal open standards that connect all IoT devices – regardless of country, network, brand, or function – for a unifying wireless experience that inspires new possibilities for people everywhere.

Learn more at csa-iot.org

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