

# Principles for Responsible Artificial Intelligence



## Our AI Principles

Silicon Labs believes Artificial Intelligence (AI) should serve and benefit society, be honest and equitable, be traceable and transparent, be respectful of privacy and security, and comply with applicable laws and codes of conduct. We develop leading IoT platforms across a wide range of protocols and ecosystems to facilitate the quick creation of secure, intelligent connected devices. AI has great potential to enhance our development of these IoT platforms, increase product quality and reliability, and improve customer and developer experience.

As we develop and use AI, Silicon Labs is committed to the **Secure, Fair, Transparent, Accountable, and Reliable** application of AI and AI systems.

### Secure

AI systems should be secure and respect the privacy of users in their interactions with AI systems. Security and privacy considerations should be an integral part of the design, development, and deployment of AI. AI systems and processes should be resilient and robust, designed to withstand unexpected adverse events and to protect against malicious actors and unintended uses. Users should have the option to opt in or out of sharing personal information, and data governance mechanisms should ensure compliance with data protection and applicable privacy choices. AI system implementations should include processes for human oversight to prevent undesirable outcomes, validate decisions, and avoid unexpected negative impacts.

### Fair

AI systems should be fair and equitable and free from unfair bias or discrimination. The design of AI systems and solutions should guard against such unfair bias or discrimination, and AI outputs should be periodically reviewed to detect unfair bias or discrimination in outcomes. AI systems should be applied with equality and accessibility for all users. AI should serve the present and future needs of society and individuals and should improve our lives.

### Transparent

AI systems should provide users with appropriate disclosures and notices for their interactions with AI systems, including how their inputs, outputs, and data are used. AI systems should be explainable, traceable, and transparent. AI systems should provide notice of AI use to users who are or could be impacted by the use of AI systems, including clear explanations of where and how AI systems are deployed.

### Accountable

The implementation and use of AI systems should adhere to applicable laws, follow appropriate codes of conduct, and reflect ethical practices. AI systems should be periodically reviewed for legal, ethical, and technical responsibility, compliance and transparency. AI systems should include human oversight to facilitate accountability.

### Reliable

AI systems should be safe, effective, and trustworthy. AI systems should be periodically assessed to determine whether they produce accurate results and outcomes based on training data or operational learning. Lack of reliable results or hallucinations should be investigated and mitigated so that outcomes can be trusted.

## Our AI Mission

Silicon Labs is committed to develop and use AI systems that follow these principles of **Secure, Fair, Transparent, Accountable, and Reliable** application of AI, enhancing our IoT platforms while benefiting society, respecting privacy, and following legal and ethical standards.

### Want to learn more about Silicon Labs

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