

Navigating Matter Certification: What's Changed and How to Succeed

September 17, 2026

2026
tech **t**lks
WEBINAR SERIES



MATTER

SPEAKERS



JEREMY STACY
PRODUCT MANAGER



ROB ALEXANDER
PRINCIPAL PRODUCT
MANAGER



Certification: Then and Now



The Matter Certification Journey

- Matter 1.0 launched October 2022 with a single, full end-product certification path
- Since then, CSA has layered in platform-level certification, fast-track recertification, and expanded self-testing tools
- Over 1,000 certified products by Matter 1.3 (April 2024); ecosystem and device-type coverage has grown steadily through 1.4, 1.5, and 1.6 to over 3,000 as of early 2026

CERTIFICATION EVOLUTION



LOWER COST • FASTER TIME-TO-MARKET • LOWER RISK • INTEROPERABILITY PRESERVED

Matter's Vision

Developers

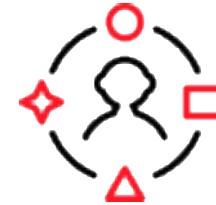
- **Reduce “Ecosystem specific” products**
 - Lower development & operational cost
 - Develop once / deploy everywhere
- **Community of support**
- **Allow more time for innovation**

Retailers

- **Requires less shelf space**
 - Lowers inventory cost
- **Simplify purchasing experience**
- **Minimize returns**

Consumers

- **Simplify purchasing experience**
- **Simplify setup & control**
 - Provide more consistent set up experience
- **Multi-Admin works across & with multiple ecosystems**



Simplicity

Easy to purchase
and use



Interoperability

Devices from multiple
brands work natively together



Reliability

Consistent and responsive
local connectivity

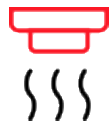


Security

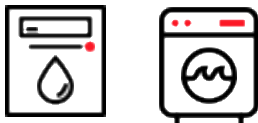
Robust and streamlined
for developers and users

Matter Device Type Categories (June 2026)

Air Quality Control



Appliances



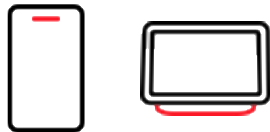
Cameras



Closures (Locks and Shades)



Controllers & Bridges



Energy Management



Home Routers & Access Points



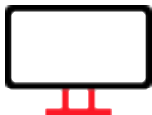
HVAC



Lighting & Electrical



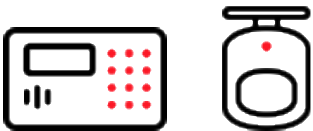
Media Devices



Robot Vacuums



Safety & Security



Sensors



Smoke & CO Detection



Ambient Presence Detection



As of Matter 1.6
82 device types in total

Certification Requirements Recap



- **Matter (CSA):** CSA membership, full Matter testing, a Certification ID per transport, security attestation, and certification fee



- **Thread (Thread Group):** certified libraries can inherit SoC testing; RCP designs still need Authorized Test Lab (ATL) testing; Thread Group membership required



- **Wi-Fi / Bluetooth:** no separate certification needed when using a pre-certified Silicon Labs stack or qualified BLE component



- **Optional and free ecosystem certification (Amazon, Apple, Google, SmartThings) layers light interoperability testing on top of Matter certification**

Minimum Spec Version for new products is Matter 1.4.

Matter 1.3 and earlier are closed for new certifications as of June 2026. Recertifications on released products still allowed.

Matter End-Product Certification Journey

A practical path for Matter over Thread and Matter over Wi-Fi products



01 DEFINE THE CERTIFICATION BASIS

Define the Matter end product

Choose the device type, clusters and features, Matter version, commissioning method, and target ecosystems.

PRODUCT DEFINITION

02 COMPLETE THE NETWORK-TRANSPORT PATH



Matter over Thread

Use a Thread-certified component or platform, or certify the product's Thread implementation.

THREAD GROUP

Validate the device role and border-router interaction.



Matter over Wi-Fi

Use a Wi-Fi CERTIFIED radio or module, or certify the finished Wi-Fi implementation.

WI-FI ALLIANCE

Validate security, IP behavior, connection and recovery.



03 ESTABLISH END-PRODUCT READINESS

Implement, provision and validate the Matter product

Complete required test cases and PICS; provision DAC credentials; verify commissioning, interoperability, multi-admin and recovery.

TEST & INTEROPERATE

04 OBTAIN CSA MATTER CERTIFICATION



CSA membership & IDs

Join CSA and obtain Vendor / Manufacturer ID.



Authorized Test Provider

Submit samples and PICS; receive a passing report.



CSA approval

Certificate • CD blob • DCL listing

NEXT: "Works with" ecosystem programs are separate, optional approvals.

What's Changed in the CSA Certification Process

- **Faster Recertification**
 - **FastTrack Recertification (Nov 2024):** internal testing plus ATL log review for Promoter/Participant members
 - **Rapid Recertification** available for minor updates to already-certified products
 - **Together these cut weeks off getting spec updates and firmware changes certified**
- **Matter Compliant Platform Certification (Oct 2025)**
 - **Silicon vendors certify hardware + SDK combinations once**
 - **Commissioning, networking, and security are pre-validated**
 - **Devices built on certified platforms inherit these results, shrinking product-level test scope**

Certification Tools from the Alliance



- **Certification Tool:** manages test plans, submissions, and status tracking through the CSA portal



- **PICS Tool:** builds the Protocol Implementation Conformance Statement required for every submission



- **Matter Test Harness:** automates conformance testing against the specification



- **Interoperability Testing Facility:** hands-on lab access to test against real ecosystem controllers before submission



- **Distributed Compliance Ledger (DCL):** public record of certified products and vendor IDs

Matter Specification Updates: 1.4, 1.5, and 1.6



Matter 1.4 and 1.5 Recap

- **Matter 1.4 (November 2024)**
 - **Enhanced Multi-Admin for easier cross-ecosystem sharing**
 - **Enhanced Setup Flow (Terms & Conditions)**
 - **Thread 1.4 alignment; border routers and NIMs must certify to Thread 1.4**
 - **Extended low-power (ICD) improvements and a Service Area Cluster for robot vacuums**
 - **Certificate Revocation List (CRL) support introduced**
- **This includes the follow-on Releases of Matter 1.4.1 and Matter 1.4.2**
- **Matter 1.5 (November 2025)**
 - **Camera support added to the specification after years of anticipation**
 - **Continued low-power and battery-life optimizations**

Ecosystem adoption uneven — SmartThings moved fastest, others still catching up to Matter 1.4

Matter 1.6 — Released June 17, 2026



- **A focused release — no new device categories, instead improving setup, multi-ecosystem coordination, and control intelligence**
- **Joint Fabric: multiple controllers co-administer one shared Matter network**
- **Thermostat Suggestions: a standardized, context-aware way to recommend control changes**
- **Core enhancements to device capability reporting, security sensor history, and certificate revocation scaling**
- **NFC-Based Commissioning: bi-directional NFC setup, even before a device is fully powered**

Silicon Labs: Simplifying Certification



Simplifying Matter Development, Testing and Manufacturing



Guided end-to-end Matter Developer Journey

- Steps developers through learning to deployment including guidance for popular Ecosystems



High-performance Low-power Wireless SoCs

- Wi-Fi and Thread solution with Bluetooth Low Energy for commissioning



Wireless Matter solution for GitHub and Simplicity Studio

- Proven and pre-certified stacks for Matter over Wi-Fi and Matter over Thread



Comprehensive Development Tools

- Development kits, tools, and sample applications for Matter use cases



Robust Matter-compliant Security

- The most advanced IoT security solution with full Matter-compliance



Silicon Labs Custom Manufacturing Services

- Secure Programming of your Matter certificates, security parameters, application, and bootloader



CSA – Certified Matter Compliant Platform

- Inherit pre-tested commissioning, networking, and security to reduce certification effort and accelerate product launches

Silicon Labs Matter Solutions – More Than Just Silicon

THREAD

Bluetooth®

WiFi®



HARDWARE

- Field-proven SoCs and modules for Wi-Fi, 15.4 with Bluetooth
- Best-in-class radio performance, low power, and wireless co-ex
- Vault security and AI/ML



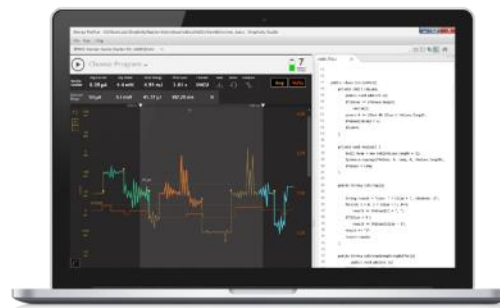
matter



SOFTWARE

- Support for all Matter device types, including border routers and bridges
- GitHub-based multiprotocol software platform with OTA

Si SIMPLICITY STUDIO



TOOLS

- Advanced development hardware, reference designs, and tools
- Ease of use through Simplicity Studio & SiSDK integration
- Windows Development Support



CERTIFICATION

- Inheritance for Thread and Wi-Fi certification
- Proven Matter certification
- Ecosystems certification

Silicon Labs Secure Vault™ + CPMS enables Matter Security

Matter Security Elements



Device Attestation Credentials (DAC)

- Certificate installed at the factory by Manufacturer
- Proves the device is authentic
- Proves the device is Matter certified



Operational Certificate

- Generated at the time of joining the Matter Fabric
- Used to authenticate the Commissioner and other devices on the fabric



Certificate Authenticated Session Establishment (CASE)

- Used to establish symmetric keys between two Matter Devices
- Makes use of the Operational Certificate
- Generates ephemeral public/private keys during establishment



Secure Boot

- Manufacturer Authenticated software images
- Encrypted software upgrades
- Upgradeable bootloader to protect against future attacks

Silicon Labs Protection

- Secure Vault™ - Creates Private/Public DAC key in chip at manufacturing time and stores Private Key encrypted CPMS – DAC injected

- Secure Vault™ - Operational Private Key is generated inside SE and not exportable.

- Secure Vault™ - Ephemeral Private Key for CASE is generated inside Vault and not exportable

- Secure Vault™ - ROM based Bootloader, Bootloader keys are encrypted and stored non exportable
- CPMS – Intake/Wrap Bootloader and OTA Decryption keys, preload Secure Boot Loader

Manufacturer Benefit

Protects against attackers cloning your device and stealing your brand

Protects against taking control of a device

Protects against impersonating your device on a Matter Fabric

Insures only your signed/encrypted code ever runs in the device

Reducing Risk and Accelerating Time to Certification

- **Silicon Labs has extensive history and knowledge working closely with CSA and Thread Group**
- **Pre-certification testing: the OpenThread Certification Libraries component in Simplicity Studio v6 lets teams self-test before ATL submission**
- **Two certification paths supported: single-product testing at an ATL/SVE, or product-family certification for design variants**
- **Reference designs, dev kits, and pre-built demo apps shorten the path from evaluation to a submission-ready device**
- **Inheritance from Silicon Labs' certified Thread, Wi-Fi, and Bluetooth stacks reduces redundant testing at the transport layer**

Summary



Summary

- **Matter certification has matured significantly since 1.0 — platform certification and fast-track recertification now reduce cost and time-to-market**
- **Matter 1.6 (June 2026) focuses on setup, multi-ecosystem management, and context-aware control rather than new device types**
- **NFC commissioning, Joint Fabric, and Thermostat Suggestions each introduce new capabilities — and new certification considerations**
- **Silicon Labs' certified platform, updated SDK, and pre-certification tooling help teams move from evaluation to certified product with confidence**