Matter Device Certification Requirements

Certification Process

Become a Member

01

Read Connectivity Standards Alliance Policies and Governing Documents and become a member.

Request a Manufacturer ID / Vendor ID

02

Contact the Alliance Certification Team to reserve your Manufacturer ID or Vendor ID.

Select a Compliant Platform or Network Transport

03

For Zigbee and Smart Energy end products, we have established access to Compliant Platforms from multiple silicon vendors. Select one from the list of certified Compliant Platforms.

For Matter end products, you have the choice of various network transport options, including Wi-Fi, Thread, and Ethernet. Note that you will need to obtain certification for your network transport form the relevant standards organization before you certify your Matter device with the Alliance.

Choose a Testing Provider

04

Select from Connectivity Standards Alliance authorized Test Providers at locations all around the world.

Send Product to be Tested

05

After scheduling testing with an Authorized Test Provider, the facility will make arrangements for testing samples and Protocol Implementation Conformance Statement (PICS) documents to be submitted. Test Provider will issue a final report to the Connectivity Standards Alliance when testing is successfully completed.

PICS proforma templates are available in the Members Area

Submit Certification Application

06

Complete and submit an application for certification in the Connectivity Standards Alliance Certification Tool. Instructions for requesting a Certification Tool account and creating/submitting applications can be found in the Connectivity Standards Alliance Members Area.

Application Pending

07

Connectivity Standards Alliance Certification Team will review your application and, if necessary, request action on specific identified items or information required to make a determination of approval or rejection. At any time during this process, you may reach out to the Connectivity Standards Alliance Certification Team with any questions.

Upon Approval

08

After your product certification is approved, you will receive a formal certificate from the Alliance and may immediately begin using the Certified Product logo. Certified Product logos have usage guidelines that govern how they are used. Please review the applicable sections before affixing. Logos are provided to the applicant's contact for the certification. For more information about Alliance logos and their usage, please contact us.

Matter products will also receive a Certification Declaration (CD) blob file and a certified product record entered in the Distributed Compliance Ledger (DCL).

Membership types:

1. Associate members

The company **don't manufacture the products**, instead the company OEM with 3rd party. To do this, the company must partner with existing Alliance ecosystems through **Certification Transfer Program.** As an associate member, the company is eligible to **White label or rebrand a Certified Product via the Associate Certification Tool and use the Alliance Certification trademarks for $2,500 USD per product + $500 USD per year, per product** (due annually on the anniversary date of the grant of certification)

2. Adopter members

The company **use existing specifications to build products, certify the products, and use the Alliance logos and trademarks**. However, the company won't be able to contribute on CSA specifications and developments. For an adopter, the company is eligible to **White label or rebrand a Certified Product via the Certification Tool and use the Alliance Certification trademarks for $2,500 USD per product.** Some notable companies include Accenture, Acer, Amlogic, Arduino, Capgemini, Gigadevice, Hyundai, Nokia,

3. Participant members

Have authority to develop the specifications standard along with Alliance working group, gain early access to draft specifications, and can deliver to the market faster. The company can als0 use the standards for their products. As for participant, the company can **Enroll Certified Products in the Certified Transfer Program via the Certification Tool**, and **White label or rebrand a Certified Product via the Certification Tool and use the Alliance Certification trademarks for $1,500 USD per product.** Some notable companies are including Karcher, ARM, Bosch, Bose, Ubuntu, Cisco, Coway, Daikin, Dyson, Ford, GE Lighting, EZViz, Hisense, Intel, Microchip, Logitech, Mitshubishi, Murata, Panasonic, Qualcomm, Quectel, Renesas, Sharp, Thales, Toshiba, TUV, Vivo, Xiaomi,

4. Promoter members

Gain all other member level benefits, including contribute to, develop and adopt the Alliance standards. The company also help to approve the standards, and participate as the Alliance Board of Directors and Board Committes. For promoter membership, the company can **Enroll Certified Products in the Certified Transfer Program via the Certification Tool**, and **White label or rebrand a Certified Product via the Certification Tool and use the Alliance Certification trademarks for $1,500 USD per product.** Some noticeable companies are including Amazon, Apple, Espressif, Google, Haier, Huawei, Infineon, LG, Midea, NXP, Nordic, Oppo, Samsung, Schneider, Siemens, ST Microelectronics, Tuya, and many more.

Promoter	Participant	Adopter	Associate
*$105,000 USD/yr	*$20,000 USD/yr	$7,000 USD/yr	$0 USD/yr
Develop, Test, and Certify >	Develop, Test, and Certify >	Develop, Test, and Certify >	White label or rebrand a Certified Product via the Certification Transfer Program and use the Alliance Certification trademarks $2,500 USD per product + $500 USD per year, per product (due annually on the anniversary date of the grant of certification)
Go to Market >	Go to Market >	Go to Market >	
Participate and Lead >	Participate and Lead >	Participate and Lead >	

Steps to become a member

01
Member Agreement

Download and sign the Member Agreement for your desired membership level. Then upload the signed Member Agreement in the Online Member Registration form.

Participant Agreement →

Adopter Agreement →

02
Registration

Participants and Adopters: Complete the Online Member Registration form and payment information for your desired membership level.

- Participant | $20,000 USD
- Adopter | $7,000 USD

Associates: Please email help@csa-iot.org for information about joining as an Associate member.

- Associate | $0 USD*

Interested in learning more about Promoter level membership? Contact us for details.

Online Registration Form

03
Policy Review

Familiarize yourself with Alliance Processes & Procedures while we process your paperwork and payment.

Alliance Processes and Procedures →
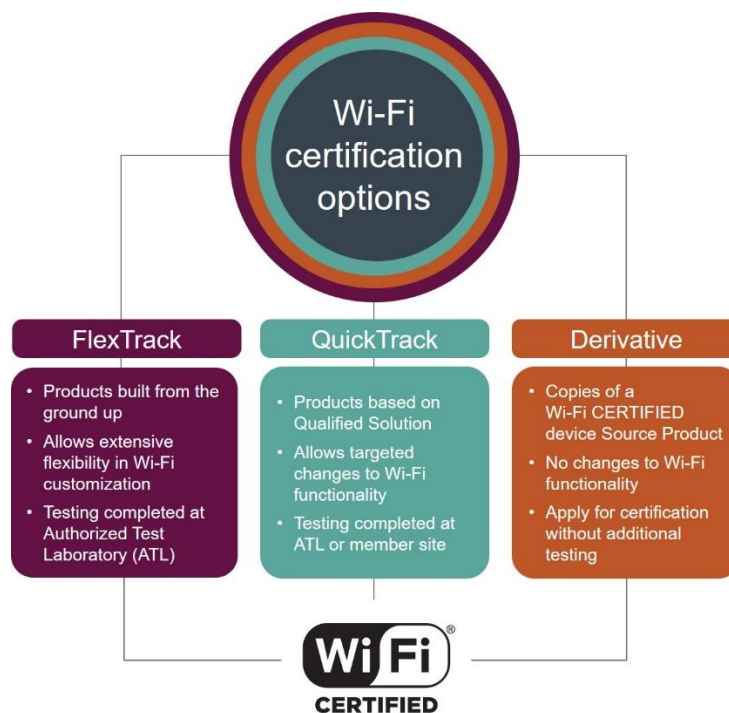
Compliant Platform or Network Certification

1. OpenThread

Membership Benefits	Academic	Affiliate*	Associate**	Implementer	Contributor	Sponsor
Access To Members-Only Website	✓	✓	✓	✓	✓	✓
Use Of Alliance Member Logo	✓	✓	✓	✓	✓	✓
Participate In All-Member Sessions of General Meetings	✓	✓	✓	✓	✓	✓
Participate In Promotional Materials	✓	✓		✓	✓	✓
Access To Pre-Publication Draft Specification	✓	✓		✓	✓	✓
Access to IP Rights As Defined with Certification			✓	✓	✓	✓
Ability To Certify Devices By Inheritance For Approved Scenarios			✓	✓	✓	✓
Participate In Committee Sessions Of General Meetings				✓	✓	✓
Access To Thread Test Harness				$	FREE	FREE
Ability To Pre-test And Certify Devices At Thread Group ATLs					✓	✓
Ability To Purchase Thread Test Bed					✓	✓
Access All In-Process Draft Specifications					✓	✓
Access To Thread Reference Commissioning App					✓	✓
Authorize And Refer Associate Members					✓	✓
Participate And Vote In Work Groups and Committees					✓	✓
Chair Work Groups And Committees					✓	✓
Initiate Work Groups Or Committees						✓
Approve Operating Budget						✓
Approve Final Deliverables						✓
Automatic Seat On Board Of Directors						✓
Annual Fee	$-	$750	$-	$7,500	$15,000	$65,000
One-Time Initiation Fee						$35,000

*Open to organizations with fewer than 50 employees.
**White-label or rebrand certified products only

2. WiFi

Wi-Fi certification options

FlexTrack
- Products built from the ground up
- Allows extensive flexibility in Wi-Fi customization
- Testing completed at Authorized Test Laboratory (ATL)

QuickTrack
- Products based on Qualified Solution
- Allows targeted changes to Wi-Fi functionality
- Testing completed at ATL or member site

Derivative
- Copies of a Wi-Fi CERTIFIED device Source Product
- No changes to Wi-Fi functionality
- Apply for certification without additional testing

Wi-Fi CERTIFIED

CSA Testing Provider

Japan	Korea	China/Taiwan
ALLION® Allion	TÜVRheinland® Precisely Right.	UL Solutions UL Solutions

	TUV	
TUV	Granite River Labs	Bureau Veritas
		Dekra
		Element Material Technology
		Resillion
		TUV

Certification Programs

- End products (Commercial use)
- Software Component – It used for User Interface Component (UIC) (i.e. application) or underlying software components (I.e. OS-specific library).
- Compliant Platforms – For Zigbee end product
- Certification Transfer Program – Certify the OEM products with the new brand.

Certification Tools

Using PICS (Protocol Implementation Conformance Statement) tool – A web-based user interface to read and write XML PICS documents.

csa PICS Tool   ≡ MENU

TO START: Drag-and-drop inside this box or browse to open one or more XML PICS files
Download resources:
BDB, **Cluster**, **Matter 1.0, 1.1, 1.2, 1.3**

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Product Attestation Authorities (PAA)

This ensure that each certificate is legitimate and meets the requriements of the Matter specification. A non-VID (Vendor ID) offers the service of its well-established Public Key Infrastructure (PKI) provider to other member. An established PKI provider guarantees compliance with the Alliance PKI Certificate Policy and removes the need of implementing, submitting, and maintaining a Certification Authority. Some PAA include: DigiCert, Espressif, NXP, Tuya, and many more.

References

[1] Certification Process | Why Certify | - CSA-IOT

[2] Become a Member | The Future of IOT - CSA-IOT

[3] Certification (threadgroup.org)

[4] Certification | Wi-Fi Alliance

[5] PICS Tool v2.1.8 - Connectivity Standards Alliance (csa-iot.org)