

Selection Guidelines for Matter over Thread Ecosystems

Use Case	Protocols	OTA Image Storage	EFR32MG21	EFR32MG24
			1024kB Flash 96kB RAM	1536kB Flash 256kB RAM
Matter to Thread Gateway	Single Protocol RCP Mode	External Flash (Host)	✓	✓
Matter to Zigbee / Thread Gateway	Concurrent Zigbee / Thread Dynamic 802.15.4 / Bluetooth LE ¹	External Flash (Host)	✓	✓
Matter Thread End Device	Dynamic 802.15.4 / Bluetooth LE SoC Mode ²	External Flash		✓
Matter Thread End Device	Dynamic 802.15.4 / Bluetooth LE SoC Mode ²	Internal Flash		✓

Silicon Labs' Matter Development Kits

Silicon Labs offers several Matter compliant development kits for Thread into three categories based on your development need:

- Starter Kits
- Development Kits
- Thunderboard Kits

For more information on the portfolio, check the link: <https://www.silabs.com/development-tools/wireless/zigbee>

Technical Resources

[Matter xG24 Technical Library](#)

Data Sheets, App Notes, and more

[Matter xG21 Technical Library](#)

Data Sheets, App Notes, and more

[Matter Training Documentation](#)

Trainings and Videos on Matter

[RS9116W](#)

Data Sheets, App Notes, and more

Matter Target Applications

- Smart Home
- LED Bulbs
- Smart Locks
- Commercial Lighting
- Access Control
- HVAC

Thread Software / Stack / Tools

Silicon Labs is a founding board member of the Thread Group with thousands successful customer deployments of mesh networking solutions based on 802.15.4 and Zigbee.

Software features

- Provides low-power, IPv6-based wireless communication between devices for home and commercial building applications
- Simplicity Studio IDE
- Both GATT Services
- Thread Sample Applications
- Wi-Fi Coexistence
- Tool Chain – GCC
- Packet Trace Interface

Links: [Thread SDK](#)

Selection Guidelines for Matter over Wi-Fi Ecosystems

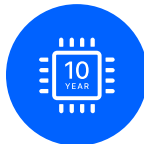
Use Case	Protocols	Mode	RS9116W +	WF200 +	SiWx917 ²	SiWx917 ²
			EFR32 MG24 ¹	EFR32 MG24 ¹		EFR32 MG24 ¹
Matter Wi-Fi End Device	Wi-Fi 4	RCP		✓		
Matter Wi-Fi End Device	Wi-Fi 4, Bluetooth LE	NCP	✓			
Matter Wi-Fi End Device	Wi-Fi 6, Bluetooth LE	SoC			✓	
Matter Wi-Fi End Device	Wi-Fi 6, Bluetooth LE	NCP				✓

Smart. Connected. Energy-Friendly.



IoT Portfolio

www.silabs.com/products



Quality

www.silabs.com/quality



Support & Community

www.silabs.com/community

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