MICROCONTROLLERS AND CONNECTIVITY

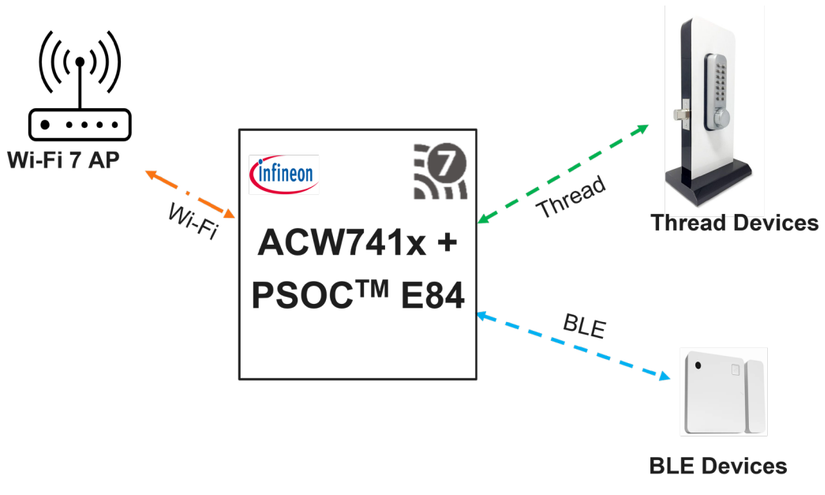
Wi-Fi 7 edge AI smart home hub

Combining smart connectivity, trustworthy edge AI, and ultra-low power, the AIROC™ ACW741x Wi-Fi 7 tri-radio smart home hub with PSOC™ Edge E84 brings robust IoT connectivity and on-device AI to smart home applications. Highlights include industry-leading Wi-Fi power efficiency for battery-powered devices.

Benefits
- Single-chip tri-radio device with Wi-Fi 7, Bluetooth® LE 6.0, and Thread (IEEE 802.15.4)
- Ultra-low Wi-Fi sleep and DTIM power
- Fully integrated design in QFN package for low-cost, 2-layer PCB designs
- Secured, low-power Arm® Cortex®-M MCU with built-in AI/ML acceleration

Highlight products
- AIROC™ ACW741x Wi-Fi 7 tri-radio combo
- PSOC™ Edge E84 MCU host

Applications
- Thread and Matter border routers
- Smart home AI hubs
- Home security systems and IP cameras
- Smart appliances
- Smart door locks and thermostats





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