seeed studio

INDUSTRIAL PRODUCT DATASHEET

Home Assistant Yellow Kit with selectable CM5/CM4 & SSD & Panel & Sensor & Actuator

Home Assistant Yellow Kit with selectable CM5/CM4 & SSD & Panel & Sensor & Actuator delivers powerful automation, energy tracking, Zigbee support, and flexible storage and compute options for comprehensive smart home...

SKU	UPDATED
E23010426	2026-10-23 02:46:14



Overview



The Home Assistant Yellow Kit with selectable CM5/CM4 & SSD & Panel & Sensor & Actuator is a powerful home automation hub that integrates with over 1,000 devices and services, supports Zigbee out of the box, and offers advanced automation and energy consumption tracking. It supports Power-over-Ethernet and power adapter, NVMe SSD storage expansion, and upgradeable Raspberry Pi Compute Module options including CM4 and CM5, making it suitable for smart home automation, energy management, home security, health monitoring, HVAC automation, home entertainment automation, and environmental monitoring.

Key Features

Note:

Yellow Kit is out of stock. We recommend HA Green from the same range. Check out our blog to learn more about the differences between the two products.

If you need to install the CM5 module, please follow the **installation guide**.

Do not screw in the four corner screws of the CM5 module, as this could damage it

- **One software controls the integration with over 1,000 different devices and services,** making it really help people control various aspects of the home like lights, thermostats, TV, music, and more.
- **Powerful Automation Capabilities:** Offer automation editor for customization while providing pre-made automation blueprints contributed by the Home Assistant community.
- **Energy Consumption Tracking and Management:** Pair with supported sensing hardware, enabling people to monitor their energy usage and trends over time.
- **High E Support both Power-over-Ethernet power supply and power adapter.**

FAQ

What is Home Assistant Yellow and how does it differ from other Home Assistant hardware options?
Home Assistant Yellow is aimed at users who require more power and advanced features for their home automation setup. It offers enhanced performance and additional capabilities compared to the Green version, learn more about **the difference between Home Assistant Yellow and Green**.

Does Home Assistant Yellow support Zigbee and Thread protocols?
Home Assistant Yellow supports Zigbee out of the box, not Thread. Currently, enabling Thread involves manual steps, which facilitates the connection of Matter-over-Thread devices to your network. Follow the steps **here**.

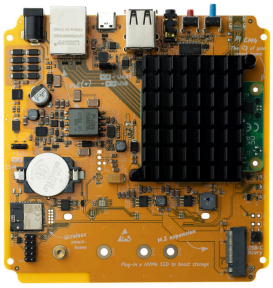
If you want to use both Thread and Zigbee with your Home Assistant Yellow, you will need an additional radio, such as **Home Assistant Connect ZBT-1**.

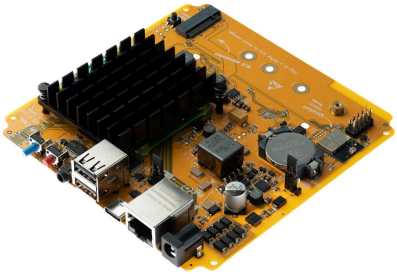
How do I set up and configure Home Assistant Yellow for my smart home?
To set up Home Assistant Yellow, simply power it up, connect it to your network, and access it via http://homeassistant.local to complete the setup. Full guide: **https://www.home-assistant.io/installation/yellow**

Can I expand the storage or upgrade components in Home Assistant Yellow?
Yes, Home Assistant Yellow supports NVMe SSDs for storage expansion and allows you to upgrade the Raspberry Pi Compute Module. Included in the kit are optional components, such as a 1TB NVMe M.2 SSD and both CM4 and CM5 modules, providing flexibility to customize your setup according to your performance and storage needs.

Is the Home Assistant Yellow Kit compatible with both CM4 and CM5?
Yes. Home Assistant has upgraded the Yellow platform with Compute Module 5 (CM5) support in HAOS 14. This expansion brings enhanced capabilities while maintaining strong support for existing CM4 users.

Product Gallery







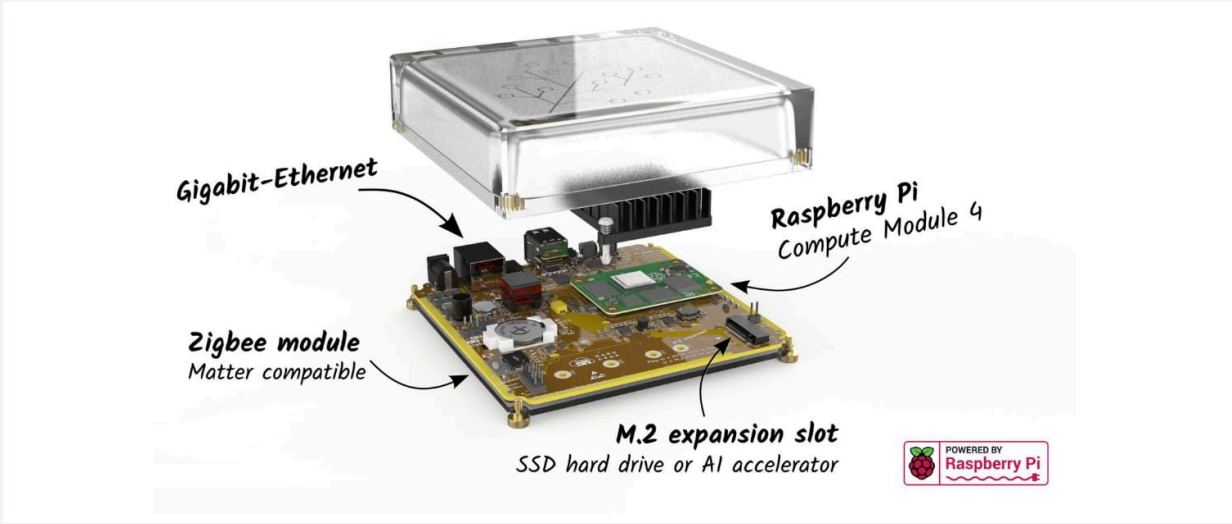


Specification

Specification	Value
Board Size	12 cm x 12 cm
Processor	Quad-core Cortex-A72 (ARMv8) 64-bit / 1.5 GHz
RAM	Up to 8 GB
Storage	Up to 32 GB eMMC
Expansion Slot	M.2 socket for NVMe SSDs (2230, 2242, 2260, 2280)
PCIe	PCIe x1
Ethernet	Gigabit Ethernet
PoE Supported	PoE version supported
USB Ports	2 x USB 2.0 Type-A host port, 1 x USB-C 2.0 device port
Audio	High-quality stereo audio DAC
Wireless	Silicon Labs MGM210P Mighty Gecko Module
Wireless Protocols	Zigbee 3.0, Thread(Follow this guide to enable Thread)
Wireless Radio	2.4 GHz with TX power up to +20 dBm

Pre-installed Firmware	Zigbee 3.0 (EZSP), can be upgraded
Power	12 V / 2 A through barrel DC power jack
LEDs	Green (Power), Red (Disk usage), Yellow (Home Assistant system state)
Buttons	Red (Factory reset), Blue (To be determined)
RTC	Backed by CR2032 battery
Enclosure	Translucent injection-molded polycarbonate plastic Tool-free assembly Accommodates custom heat sink (included)
Enclosure Size	123 mm x 123 mm x 36 mm
Typical Power Usage	Idle ~1.5 W, Idle with NVMe ~2.5 W, Load ~5-9 W

Hardware Overview



Applications

- **Smart Home Automation**
- **Energy Management**
- **Home Security**
- **Health Monitoring**
- **HVAC automation**
- **Home entertainment automation**
- **Environmental monitoring**

Part List

Home Assistant Yellow Board	x1
Accommodates custom heat sink	x1
Translucent injection-molded polycarbonate plastic	x1

Resource Links

- https://www.seeedstudio.com/Home-Assistant-Yellow-Kit-with-selectable-CM4-p-5680.html
- Support Channels for Home Assistant

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com