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INDUSTRIAL PRODUCT DATASHEET

[Up to 12% Discount] Home Assistant Starter Kit – Plug & Play Smart Home Development

Experience a synchronized, privacy-first smart home with the Home Assistant Starter Kit—rapid setup, whole-home automation, and local intelligence in one plug-and-play system.

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Overview



The Home Assistant Starter Kit combines Home Assistant Green as the central brain, reTerminal E1002 as an ambient dashboard, MR60BHA2 mmWave and soil sensors for precise environmental sensing, and XIAO Smart IR Mate with W5500 Ethernet Adapter to bridge IR and BLE devices into a local-first ecosystem. This enables rapid setup from unboxing to first scene, seamless whole-home integration and automation, and absolute sovereignty with local-first privacy.

Key Features

Achieving a truly responsive home requires more than just gadgets; it requires a synchronized ecosystem. This curated selection of hardware is engineered to function as a single, cohesive "body" of intelligence—processing every automation locally for maximum speed and privacy.

- **The Brain (Home Assistant Green):** The centralized hub responsible for all logic and data decisions.
- **The Face (reTerminal E1002):** An ambient, glare-free dashboard responsible for distraction-free information interaction.
- **The Nervous System (MR60BHA2 mmWave & Soil Sensor):** High-precision nodes responsible for all-around environmental and physiological sensing.
- **The Hands (XIAO Smart IR Mate & W5500 Ethernet Adapter):** The executive bridge responsible for bringing traditional IR appliances and BLE devices into your Home Assistant ecosystem.

Why Home Assistant Redefining the Soul of Your Home? Ever felt like your "smart" home is just a collection of disconnected apps? Home Assistant changes the game by moving the brain of your home from the cloud to your living room. It's no longer about opening an app to toggle a switch; it's about a home that anticipates your needs and acts on your behalf.

Looking for more options? Explore the more Home Assistant compatible devices: we offer a diverse range of compatible hardware, giving you the freedom to pick and choose the exact components that fit your unique home layout.

Can't Find the Perfect Device? Build Your Own: Sometimes, off-the-shelf products just don't fit your specific needs. Why not follow the community's lead and DIY your own? Our scenario-specific **DIY Kits** turn complex hardware into simple "building blocks." You can rapidly prototype and deploy custom devices—tailored to the exact requirements of your space—as easily as snapping modules together.

To make this shift practical, Home Assistant does not exist as a single device, but as a system architecture that can be distributed across dedicated hardware roles. Instead of relying on one monolithic controller, intelligence is split into perception, decision-making, visualization, and execution—each handled by purpose-built components that work together locally in real time:

Experience a stable, cloud-independent smart home from the moment of unboxing. As the centralized "brain" of the ecosystem, **Home Assistant Green** runs entirely on local hardware—ensuring 100% data privacy and lightning-fast response times. No subscriptions, no hidden fees, and no complex flashing required; it’s the definitive foundation for a secure, professional-grade sanctuary.

Move beyond the clutter of phone apps. The **reTerminal E** serves as a physical interface for your data, visualizing real-time energy, climate, and other information in one place—naturally blending into your living space.

Stop being "left in the dark." Unlike traditional sensors, this 60GHz technology detects micro-movements like breathing. Your home knows you’re there even when you're perfectly still, keeping lights and climate active while you read or sleep.

Bring your greenery into the ecosystem. Receive instant alerts on your ePaper display the moment your plants need attention, turning manual plant care into a seamless, automated part of your daily routine.

Seamlessly bridge the gap between legacy hardware and modern automation. By combining high-performance IR control with a rock-solid Ethernet Bluetooth Proxy, you can bring traditional ACs, TVs, and BLE sensors into your local loop. Pair it with mmWave sensors to orchestrate a truly responsive home—automatically manage the environment and power the moment you leave the room.

Product Gallery











Specification

Processor	Quad-core Cortex-A55 CPU up to 1.8GHz
RAM	4 GB RAM
Storage	32 GB eMMC

Expansion Slot	SD card slot for recovery purposes only
Ethernet	Gigabit Ethernet
USB Ports	2 x USB 2.0 Type-A host port
Display	1x HDMI for debugging purposes only
Wireless Protocols	Zigbee 3.0 and Matter(with Home Assistant SkyConnect)
Pre-installed Firmware	Home Assistant OS
Power	12 V / 1 A through barrel DC power jack(barrel connector)
LEDs	White (Power), Green (Activity Indicator), Yellow (Home Assistant system state)
Power off Button	Press and hold for 6 seconds to shut down safely, Press and hold for 12 seconds to force the power off
Enclosure	Large aluminum heatsink, great heat dissipation
Size	111*111*33.6mm
Operating Temperature	0 ~ 40℃

Applications

- **Rapid Setup:** From Unboxing to First Scene
- **Ecosystem Synergy:** Seamless Whole-Home Integration and Automation
- **Absolute Sovereignty:** Local-First Privacy

Part List

Home Assistant Green	x1
reTerminal E1002 Full-color ePaper Display	x1
XIAO 60GHz mmWave Human Breathing and Heartbeat Sensor -MR60BHA2	x1
Everything Presence Lite	x1
XIAO Soil Moisture Sensor	x1
XIAO Smart IR Mate	x1

Resource Links

- https://www.seeedstudio.com/Home-Assistant-Starter-Kit.html

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