



Smart Thermostat

Cuby terra

For minisplit
designed to save energy

SKU-CUBY-TERRA-MINISPLIT

5

INTEGRATED
SENSORS

5,000+

COMPATIBLE MODELS

24/7

CONTINUOUS
MONITORING

www.cuby.mx

01 TECHNICAL SPECIFICATIONS






GENERAL

Model	CUBY-TERRA-MINISPLIT
Color	Black
Material	PC + ABS, PC, Glass
Display	TFT 4" Color Touch
Weight	162 g
Mounting	Wall / Surface
Installation	2"x4" box or wall



CONNECTIVITY

Power	5VDC / USB-C
Consumption	0.4W
WiFi	2.4 GHz
Infrared	Bidirectional (TX/RX)
External sensors	Bluetooth
Voice assistants	Alexa, Google, Siri
Integration	API HTTP · LoRaWAN · Modbus · BACnet IP

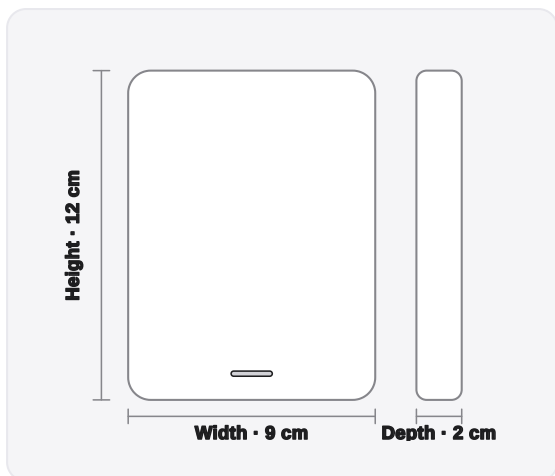
02 INTEGRATED SENSORS

 mmWave Presence Detects stationary people 60 GHz Radar	 Air Quality Healthy spaces (optional) CO₂ and VOC	 Temperature Precise measurement ± 0.3°C	 Humidity Anti-mold control ± 0.3%	 Ambient Noise Real-time alerts dBA
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Add more sensors

 Door/Window Charges with ambient light Battery-free	 Presence Expands detection area with wireless sensor Wireless
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03 DIMENSIONS

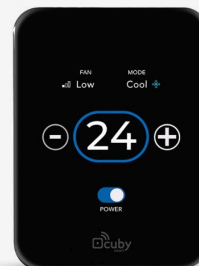


Height	12 cm
Width	9 cm
Depth	2 cm
Weight	162 g
Display	7.6 × 7.4 cm
Display type	TFT Touch Color
Operating range	0°C to 50°C

04 PRODUCT GALLERY



Front view



Limit control



Side view



Detail



Compatible with all models

Minisplit and equipment with IR receiver



iOS and Android App

Control from the Cuby Smart app



Web Platform

From any computer



WiFi (2.4GHz) or LoRaWAN

Internet connectivity



Public HTTP API

Third-party integration



Easy installation

Average installation time: 5 minutes

Hotels

- › Automatic humidity control
- › Shutdown on presence detection
- › Temperature restriction per room
- › Usage statistics per device
- › Bulk setup in a single step
- › Customizable interface by user type

Buildings

- › BMS integration via BACnet IP or Modbus
- › Scaled deployment from a single configuration
- › Public API for management platforms
- › Remote alerts per unit
- › Schedule-based automations without internet

Schools

- › Shutdown on presence detection in classrooms
- › Automation by school schedules
- › Centralized management of all devices
- › Scaled deployment in a single step
- › Real-time usage statistics

Businesses

- › Weekly schedule programming
- › Temperature restriction
- › Usage and savings statistics
- › Remote control from app or web

Vacation Rental

- › Real-time noise alerts
- › Shutdown on absence
- › Shutdown when doors or windows open
- › Temperature and operating mode restrictions
- › Humidity control when unoccupied
- › Installation in under 5 minutes

Retail Stores / Pharmacies

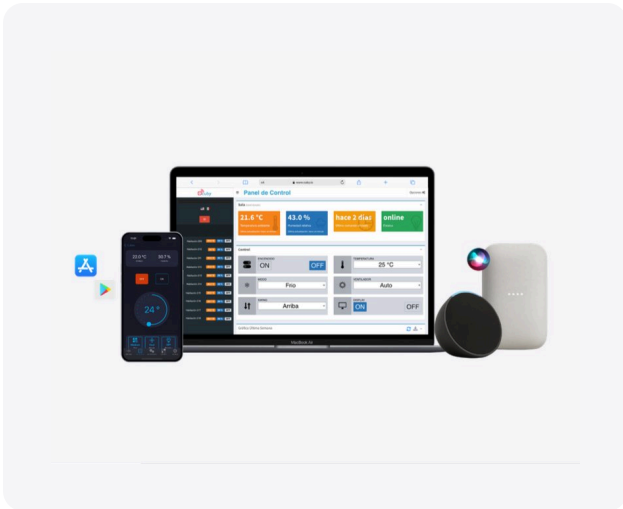
- › Temperature and operating mode restrictions
- › Scheduling by operating hours
- › Centralized multi-branch management
- › LoRaWAN connectivity
- › Real-time statistics by location

Data Center

- › Temperature-based automation
- › Remote alerts
- › Notification on power or WiFi loss
- › Integration via API, Modbus or BACnet
- › Real-time data history

Residential

- › Voice control with Alexa, Google and Siri
- › Smart automations
- › CO₂ and VOC monitoring
- › Remote control from app or web
- › Color touchscreen
- › Installation in under 5 minutes



SMART REMOTE CONTROL

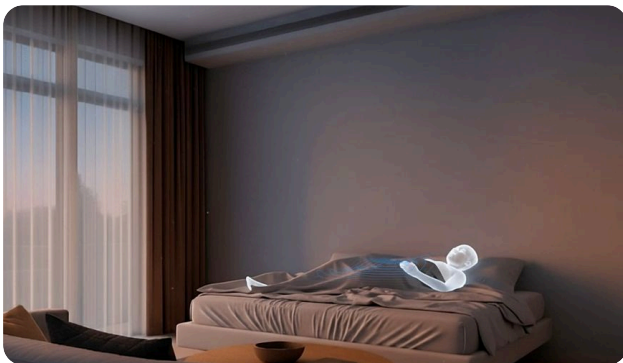
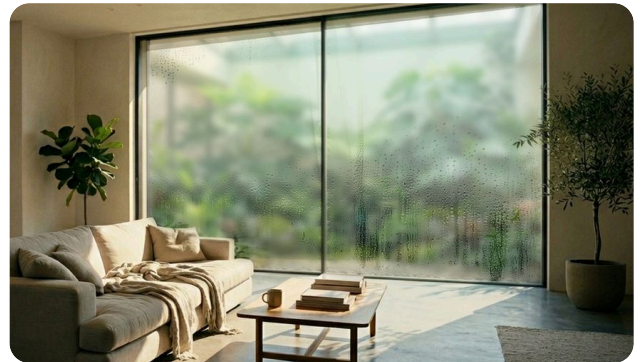
Full air conditioner control

From app, web or voice, with the same functions as the original remote

PROPERTY PROTECTION

Smart humidity control

Automatically regulates humidity when unoccupied and protects your property from damage. Keep optimal levels at all times.



ENERGY SAVINGS

Shutdown or set back in unoccupied spaces

Detects presence with its mmWave technology

ENERGY SAVINGS

Shutdown when doors or windows open

With wireless sensors, no batteries needed

- Works with ambient light
- Configurable shutdown delay
- Automatically restores the AC when the door or window closes





ENERGY SAVINGS

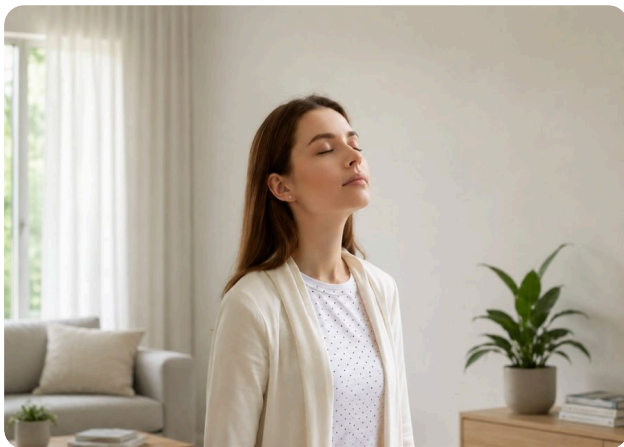
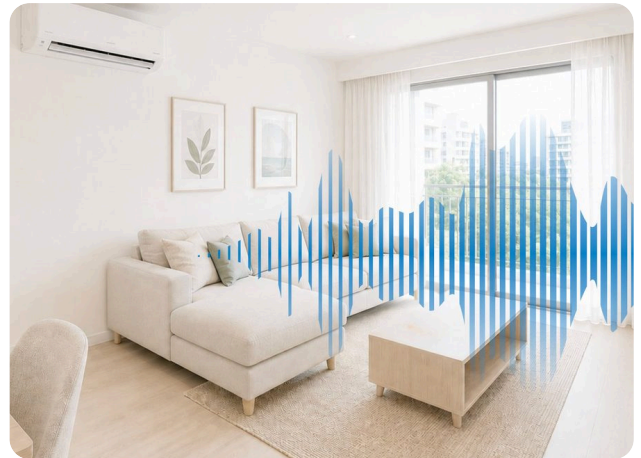
Temperature limits and operating modes

Apply restrictions only during the schedule you define

ENVIRONMENTAL MONITORING

Real-time noise level monitoring

Receive alerts and check the history to prevent unauthorized parties and protect your property



ENVIRONMENTAL MONITORING

Smart air quality detection

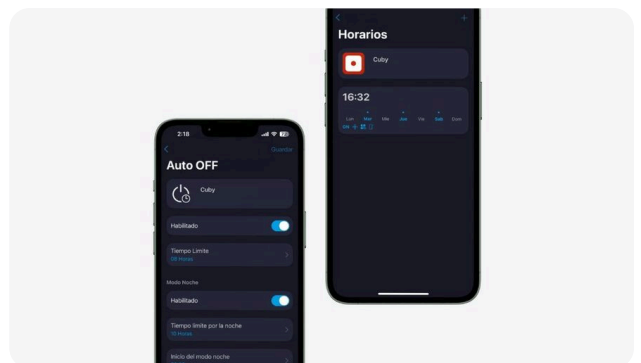
Measures CO₂ and VOC levels to keep spaces healthier, ventilated and odor-free

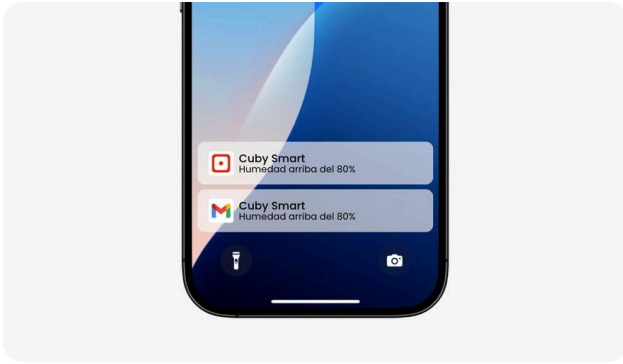
AUTOMATION

Advanced automation

Even without internet

- Weekly scheduling on specific times and days
- Automatic shutdown after a set usage time
- Smart rules by temperature, occupancy and schedule





NOTIFICATIONS

Real-time remote alerts

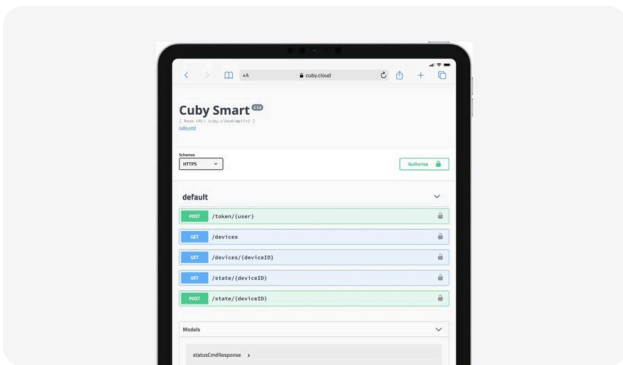
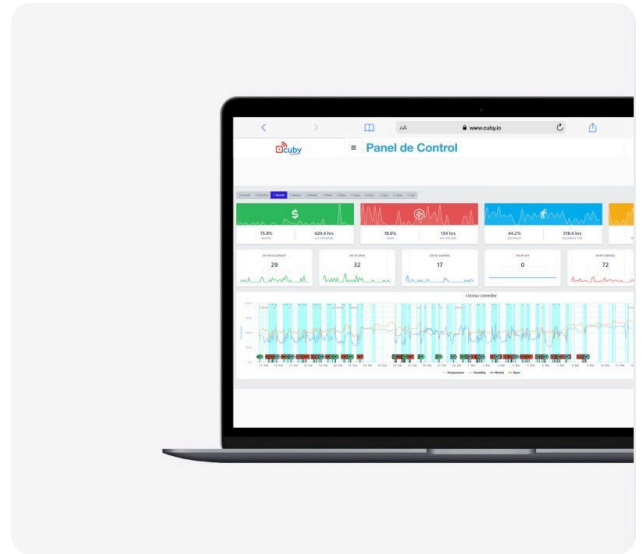
- Temperature out of range
- High relative humidity
- Power or WiFi loss

Detects key events and notifies you instantly

DATA AND ANALYTICS

Statistics and data history

- Temperature
- Air conditioner usage
- Humidity




INTEGRATIONS

Free public API

Simple integration with external applications

Why choose Cuby Terra? Here's why.

These are some of the advantages of owning a **Cuby Terra**.

<p>Color touchscreen</p> <p>4"</p> <p>TFT color</p>	<p>Compatible with over</p> <p>5,000+</p> <p>minisplit models</p>	<p>Integrated sensors</p> <p>5</p> <p>presence, air quality, temperature, humidity and more</p>
<p>Works without internet</p> <p>24/7</p> <p>Built-in local automation</p>	<p><></p> <p>Integration</p> <p>Public HTTP API, LoRaWAN, Modbus, Bacnet IP</p>	<p></p> <p>Warranty</p> <p>1 year</p> <p>Designed and made in Mexico</p>

Cuby terra

Smart thermostat for minisplit, designed to save energy

SKU-CUBY-TERRA-MINISPLIT



Free shipping
Available within Mexico



Designed and made in Mexico
Over 10 years of experience

CUBY SMART
www.cuby.mx

Request your quote

contacto@cuby.mx
HT-TERRA-001 · v1.0