



ΔIDOO

Plug & Play Integration for Inverter Units (Mini splits & VRF)

RESIDENTIAL & COMMERCIAL APPLICATIONS

What is Aidoo?



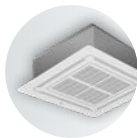
Aidoo is Airzone's range of plug & play gateways for climate control integration. Aidoo gateways enhance connectivity and control of Inverter (mini split & VRF) HVAC units, while preserving functionality.

Integration aims to centralize control of different technologies for seamless communication and efficient operation. Due to complex communication protocols, HVAC systems are among the most challenging to integrate, but thanks to Aidoo, integrating HVAC units becomes a breeze.

SUITABLE FOR INDIVIDUAL INDOOR AC UNITS



Consoles



Cassettes



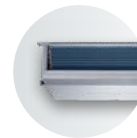
Ducted
AC units



Mini split
units



Vertical &
Multipositional
Units AHUs



Chilled water
fan coils



Heat pumps



Plug & Play: Quick and simple 1:1 integration solution with no programming required



Flexibility: Ideal for new and retrofit installations



Remote Control: Enhanced control and access from anywhere



Efficiency: Optimizes energy use while streamlining maintenance



Increased Profitability: Simplifies integration and boosts project efficiency

HVAC

250+
COMPATIBLE
HVAC BRANDS

DAIKIN LG

FUJITSU MITSUBISHI ELECTRIC

SAMSUNG Midea GREE

TOSHIBA Panasonic HITACHI Hisense



AIDOO

IOT

40+
INTEGRATION
OPTIONS

ecobee nest

Honeywell Home Control4

CRESTRON OLUTRON SAVANT

NICE U-C RTI JOSH

WITH AIDOO YOU CAN...



Integrate climate control into BMS and home automation systems using both open and closed protocols



Remotely manage and control your Inverter (mini split & VRF) units



Add voice control to your HVAC units



Connect smart thermostats to Inverter units while preserving complete functionality

WHAT MAKES AIDOO STAND OUT FROM ITS COMPETITORS?

- 
Bi-directional Communication: Aidoo not only sends commands to the HVAC unit, but also receives confirmation of their execution and reads unit error codes, ensuring precise and reliable system status updates.
- 
Certified Manufacturer Protocols: Aidoo communicates with the AC unit using its original protocol, ensuring full compatibility, functionality, and precise control.
- 
Wired Connection to the Indoor Unit: Aidoo is wired directly to the AC unit, offering a much more robust and consistent connection than infrared (IR) controllers.

Climate Control Connectivity: The Airzone Cloud App

Airzone Cloud App is the interface that connects HVAC to the digital world. With the Airzone Cloud mobile app, users have full control over their indoor climate, while professionals can efficiently manage installations anytime, anywhere.

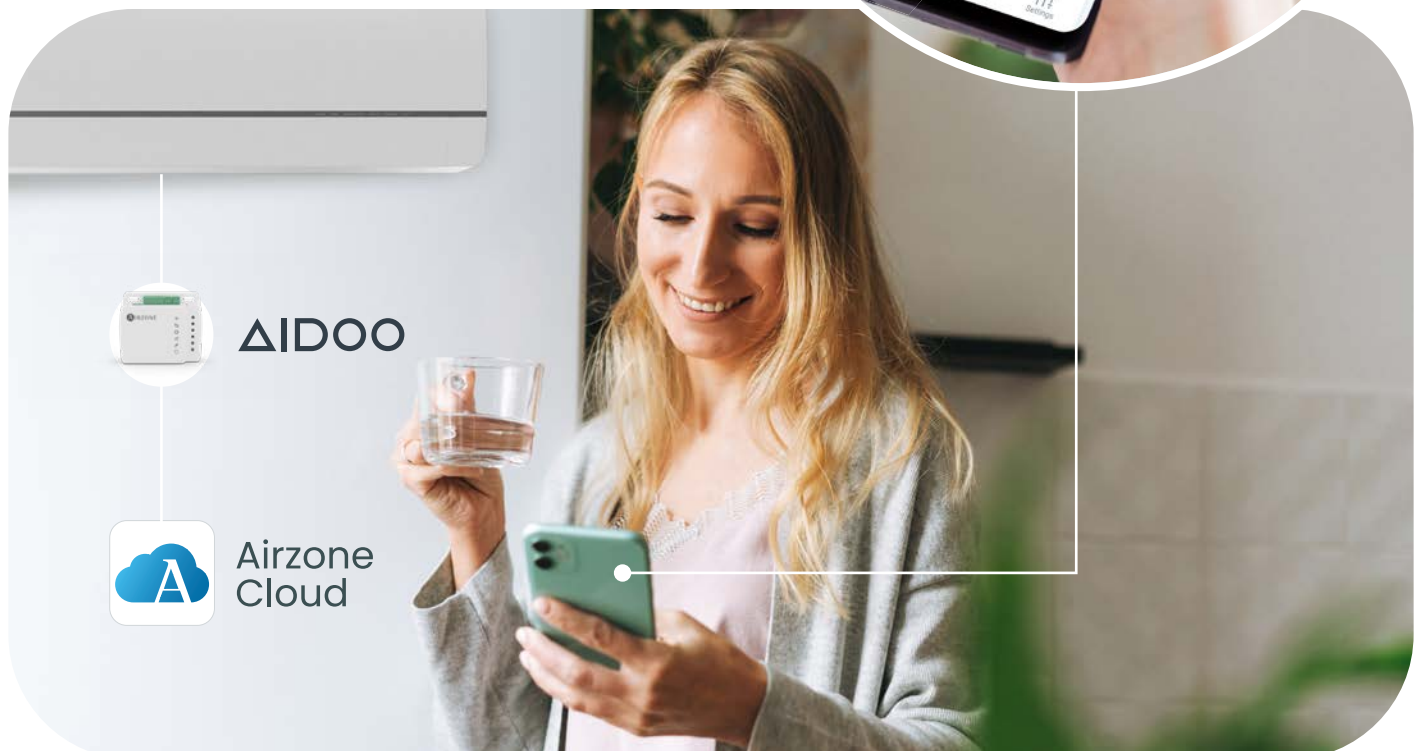
- Remote temperature adjustment
- Time/ Mode scheduling
- Multi brand control from one app
- Reading of indoor unit warnings and errors
- Time-temperature monitoring

Available for

Aidoo Wi-Fi
Aidoo Pro family



« Explore the
Airzone Cloud App Demo
Android and iOS



The Aidoo Family

Compatibility
checker Aidoo



INTEGRATION FOR BASIC CONNECTIVITY



Aidoo Wi-Fi

Smartphone, computer, and voice control for your Inverter (mini split & VRF) units.



1. Communication technology: Wi-Fi 2.4 GHz
2. Status LEDs
3. Reset
4. Indoor unit communication port
5. Modbus RTU port

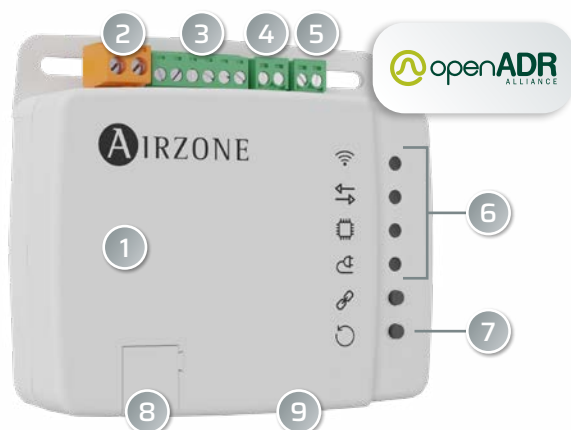
THE AIDOO PRO FAMILY

INTEGRATION FOR MULTI PROTOCOLS (BACNET, MODBUS & DRIVERS)



Aidoo Pro Wi-Fi

Our most advanced option for Plug & Play **BMS / Home Automation integration** for Inverter (mini split & VRF) units.



1. Dual Wi-Fi (2.4/ 5 GHz)
2. Power supply: 12VDC (included)
3. Smart thermostat connection¹
4. Auxiliary heat relay (12 VDC output)
5. Digital input
6. Status LEDs
7. Reset
8. RS-485 integration port (Modbus RTU, BACnet MS/TP)
9. Indoor unit communication port

¹ Powered by a 24v field supplied ac transformer

Aidoo Pro Smart Thermostat Interface (STI)

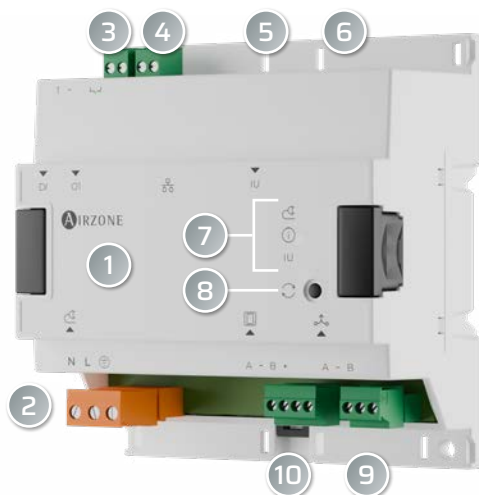
Streamlined Smart thermostat integration for Inverter (mini split & VRF) units.



1. Dual Wi-Fi (2.4/ 5 GHZ)
2. Power supply: 24VAC (uses the field supplied smart thermostat power supply)
3. Smart thermostat connection
4. Auxiliary heat relay (dry contact)
5. Digital input
6. Status LEDs
7. Reset
8. RS-485 integration port (Modbus RTU, BACnet MS/TP)
9. Indoor unit communication port

Aidoo Pro HUB

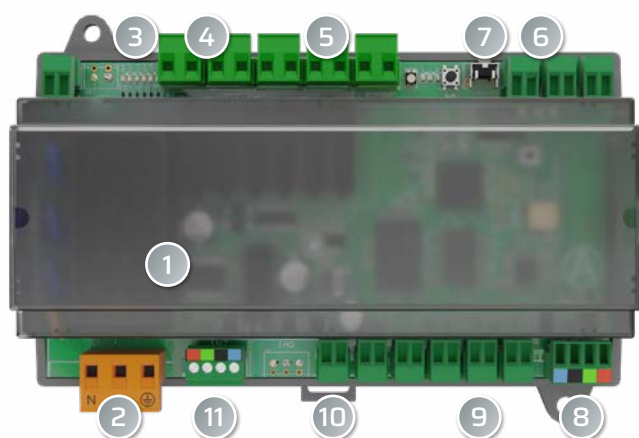
All the benefits of our Aidoo Pro system for Inverter (mini split & VRF) units, now with the added convenience of a **wired Ethernet port** for reliable, cabled installations. Great for hospitality and MDU projects!



1. Dual Wi-Fi (2.4/ 5 GHZ)
2. Power supply: 230/110V
3. Digital input
4. Auxiliary heat relay (dry contact)
5. Ethernet port
6. Indoor unit communication port
7. Status LEDs
8. Reset
9. RS-485 integration port (Modbus RTU, BACnet MS/TP)
10. Airzone port (Blueface thermostat)

Aidoo Pro Fan Coil

Aidoo Pro Fancoil allows you to transform analog chilled water fan coil units into modern climate control devices by adding the Airzone Bluface Thermostat and the Airzone Cloud App, making it ideal for retrofits and new installations alike.



1. Dual Wi-Fi (2.4/ 5 GHZ)
2. Power supply: 230/110V
3. Status LEDs
4. Cooling / heating dry contacts
5. Three-speed fan control dry contacts
6. 0-10 VDC fan control
7. Reset
8. Airzone port (Blueface thermostat)
9. Open window / occupancy sensor, and eco mode activation
10. Temperature probe
11. RS-485 integration port (Modbus RTU, BACnet MS/TP)

Aidoo Pro HUB Fan coil
Featuring an ethernet port



COMING SOON

INTEGRATION FOR STANDARD PROTOCOLS

Complete integration for Inverter (mini split & VRF) units with **KNX, Z-Wave or Zigbee protocols**.



Aidoo KNX



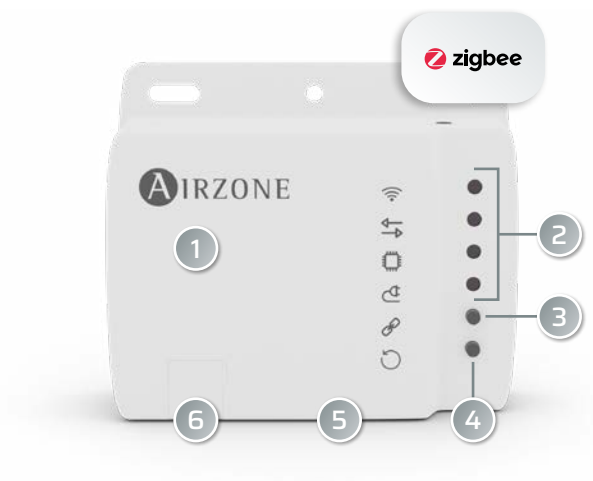
1. KNX bus connection
2. Digital inputs (dry contact)
3. Status LEDs
4. KNX configuration
5. Reset
6. Indoor unit communication port

Aidoo Z-Wave



1. Z-Wave technology
2. Status LEDs
3. Pairing/ configuration with the Z-Wave HUB
4. Reset
5. Indoor unit communication port
6. Integration port (Modbus RTU)

Aidoo Zigbee



1. Zigbee technology
2. Status LEDs
3. Pairing/ configuration with the Zigbee HUB
4. Reset
5. Indoor unit communication port
6. Integration port (Modbus RTU)

Integration options

	Direct Expansion	Chilled Water fan coil
BACnet MS/TP	Aidoo Pro Wi-Fi Aidoo Pro STI Aidoo Pro HUB	Aidoo Pro Fan Coil Aidoo Pro HUB Fan Coil
BACnet IP	Aidoo Pro Wi-Fi Aidoo Pro STI Aidoo Pro HUB	Aidoo Pro Fan Coil Aidoo Pro HUB Fan Coil
Modbus RTU	Aidoo Zigbee Aidoo Z-Wave Aidoo Pro Wi-Fi Aidoo Pro STI Aidoo Pro HUB	Aidoo Pro Fan Coil Aidoo Pro HUB Fan Coil
Modbus TCP	Aidoo Pro Wi-Fi Aidoo Pro STI Aidoo Pro HUB	Aidoo Pro Fan Coil Aidoo Pro HUB Fan Coil
KNX	Aidoo KNX	-
API Cloud	Aidoo Pro Wi-Fi Aidoo Pro STI Aidoo Pro HUB	Aidoo Pro Fan Coil Aidoo Pro HUB Fan Coil
API Rest	Aidoo Pro Wi-Fi Aidoo Pro STI Aidoo Pro HUB	Aidoo Pro Fan Coil Aidoo Pro HUB Fan Coil
Zigbee	Aidoo Zigbee	-
Z-Wave	Aidoo Z-Wave	-

Integration options

 BACnet MS/TP
  BACnet IP
  Modbus RTU
  Modbus TCP

{REST:API}
 

 JOSH
  MQTT
  Works with IFTTT

 KNX
  zigbee
  Z-WAVE

Drivers

Control4
  CRESTRON
  SAVANT
 Nice
  RTI
  U-C
  Home Assistant
 DELTA DORE
  Schneider Electric
  LUTRON

Check Aidoo compatibility
for your unit >>



Practical uses of Aidoo



Commercial
Pages 11-14



Residential
Pages 15-20

Commercial Applications

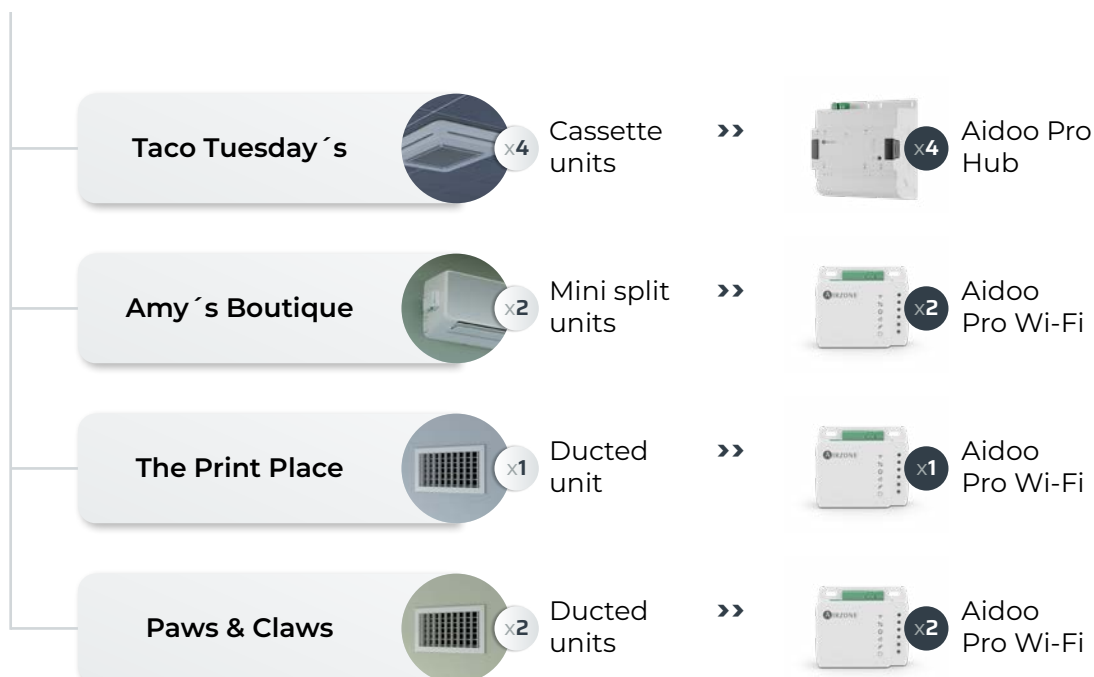
STRIP MALLS



Multi-Brand and Multi-User HVAC control

In strip malls, the mix of HVAC brands across different commercial spaces makes climate control and management complex. Aidoo Pro Wi-Fi simplifies this by enabling unified control and integration for Inverter (mini split & VRF) units across brands and businesses. This allows property managers and facility teams to centralize HVAC oversight for optimized energy use and maintenance, while ensuring tenants retain fully independent climate control. This makes Aidoo Pro Wi-Fi the ideal solution for strip malls with diverse HVAC systems.

The Parkway Shopping Center



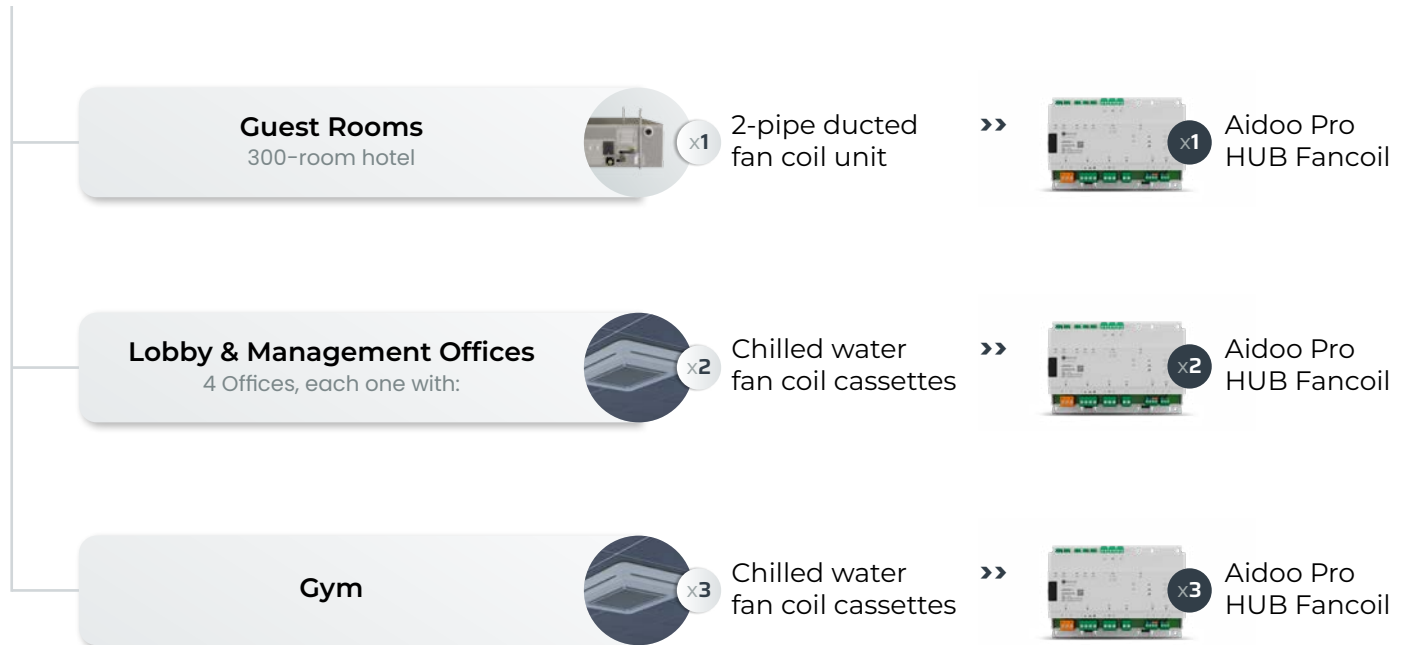
HOTELS | CASE 1



Centralized Management and Smart Interface Integration

In hotels, ensuring guest comfort is essential. Aidoo Pro HUB Fancoil, paired with Airzone's Blueface thermostat, elevates the climate control experience by offering a modern, intuitive interface. In a 300-room hotel across 10 floors, Aidoo seamlessly integrates chilled water fan coil units with the Property Management System through BACnet, Modbus, and Cloud API. Its built-in Ethernet connectivity provides a stable, reliable communication path for hospitality environments, enabling centralized management and optimal comfort from a single interface.

Great Northern Hotel



Using inverter units instead of fan coils?

Choose Aidoo Pro HUB for stable Ethernet connectivity and effortless PMS/BMS VRF integration.

HOTELS | CASE 2

See a real-world example
Discover how SpringHill Suites uses Aidoo

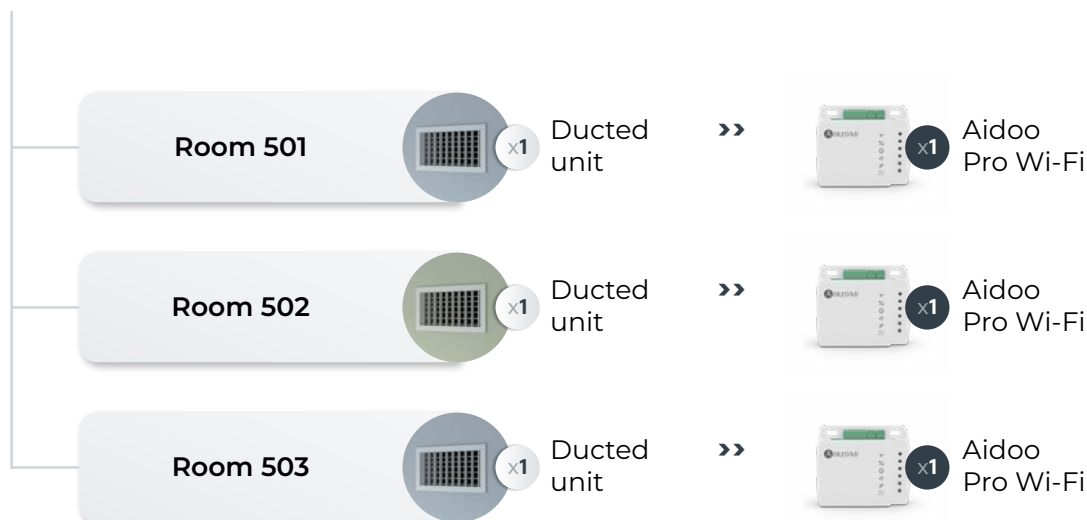


Room-by-room granular AC control and management

In a 150-room, 5-floor hotel, consistent HVAC performance is key, not just for guest comfort, but for efficient operations. With Aidoo Pro, each indoor unit is managed independently, while Airzone's integration with property management systems allows for centralized control across the entire building.

This combination ensures that any issue or error is automatically identified and isolated to the specific unit affected, keeping the rest of the installation fully operational. It minimizes guest disturbance and eliminates the need for system-wide shutdowns. Property managers get direct access to error codes, so staff and servicers know exactly where to act, even in large-scale installations.

Hotel Grand Aveline



Or looking to integrate 24 V hospitality thermostats?

Airzone can connect them to your hotel HVAC ecosystem too for centralized control and management.

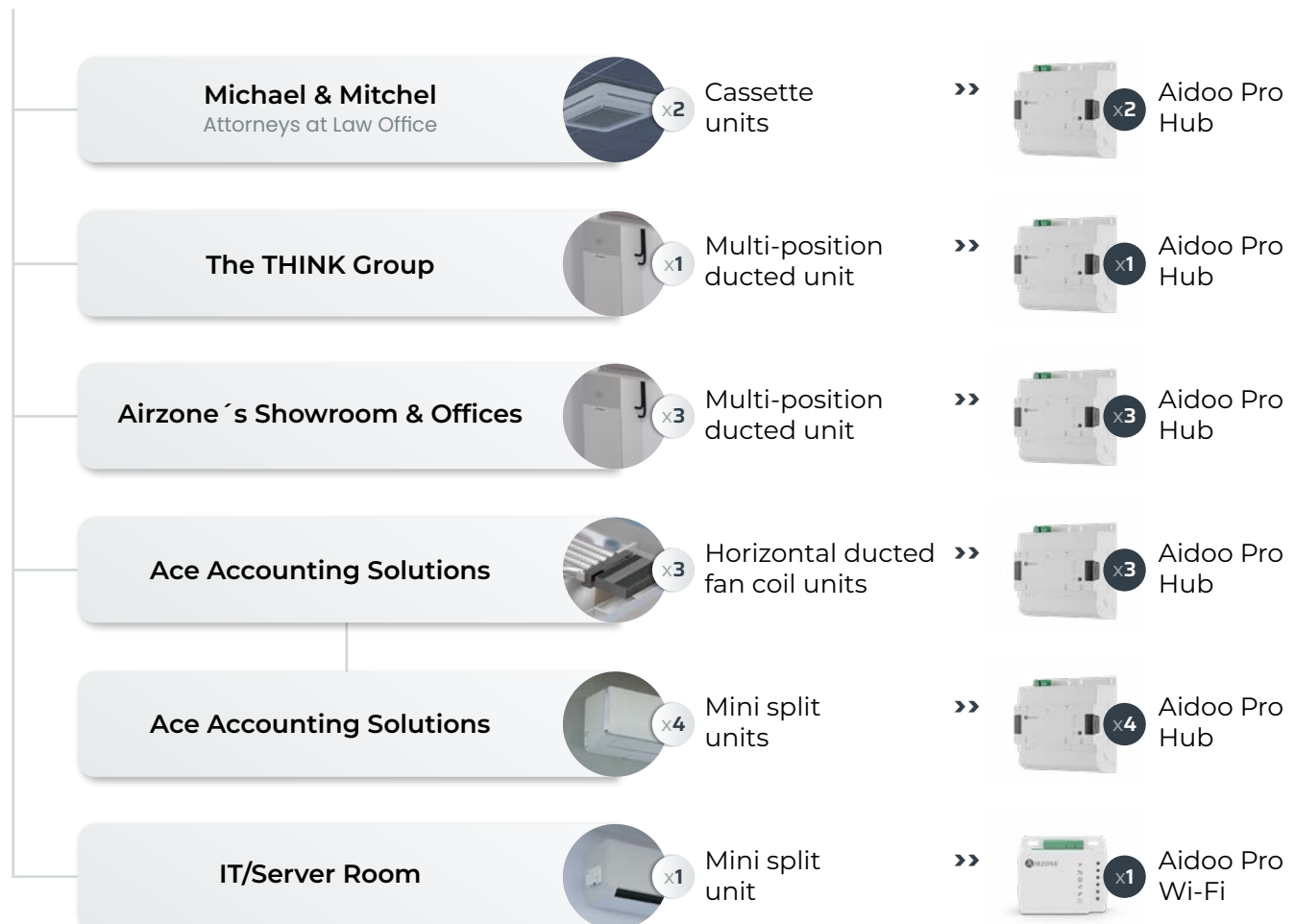
OFFICE BUILDINGS



Reliable and Stable Connectivity

In office buildings, ensuring stable and reliable HVAC control across multiple floors can be challenging, especially in areas with limited wireless connectivity. Aidoo Pro Hub, equipped with an Ethernet port, ensures a stable and secure connection for HVAC control in office buildings, essential for any work environment. This makes Aidoo Pro Hub a great choice for managing multiple HVAC units across floors, where wireless connectivity might be limited.

The Plaza (Floor 7) | 10 story building, 5 offices per floor



Residential Applications

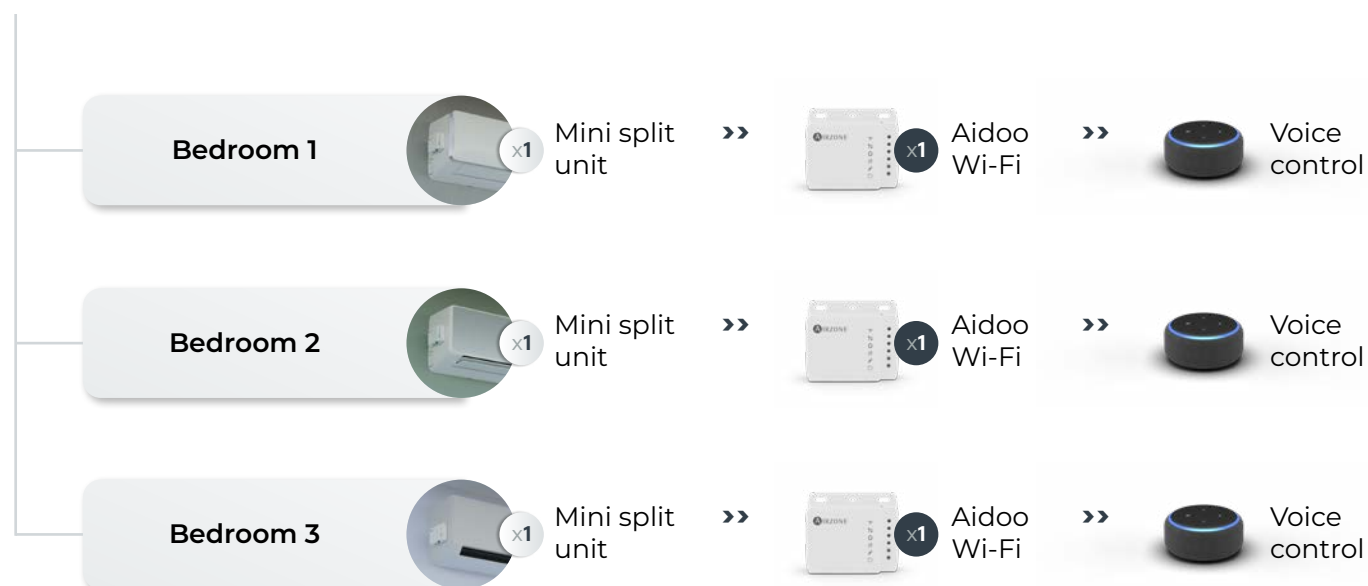
SINGLE FAMILY HOMES | CASE 1



Effortless Retrofit for Smart Control

Most Inverter (mini split & VRF) units lack built-in smart capabilities, which is frustrating for homeowners. Aidoo Wi-Fi is the perfect brand agnostic solution for those looking to upgrade their HVAC units with remote control. Easy to install and compatible with the Airzone Cloud app and voice control, Aidoo Wi-Fi is the ideal starting point for professionals seeking a straightforward way to add smart connectivity to their offering, without having to learn different products for different manufacturers.

The Hanson Rental Home | Phoenix, Arizona



SINGLE FAMILY HOMES | CASE 2



Smart Thermostat Integration for Inverter Units

Most smart thermostats aren't natively compatible with Inverter HVAC systems, limiting whole home control and efficiency. Aidoo Pro STI solves this problem by integrating smart thermostats with Inverter (mini split & VRF) units while preserving all their energy-efficient functionalities, making it the perfect solution for homeowners upgrading to smart HVAC control. Aidoo Pro STI simplifies installation and optimizes performance.

The Jones' Home | San Diego, California



ecobee | Honeywell Home | Nest
 PELICAN | VENSTAR

SINGLE FAMILY HOMES | CASE 3

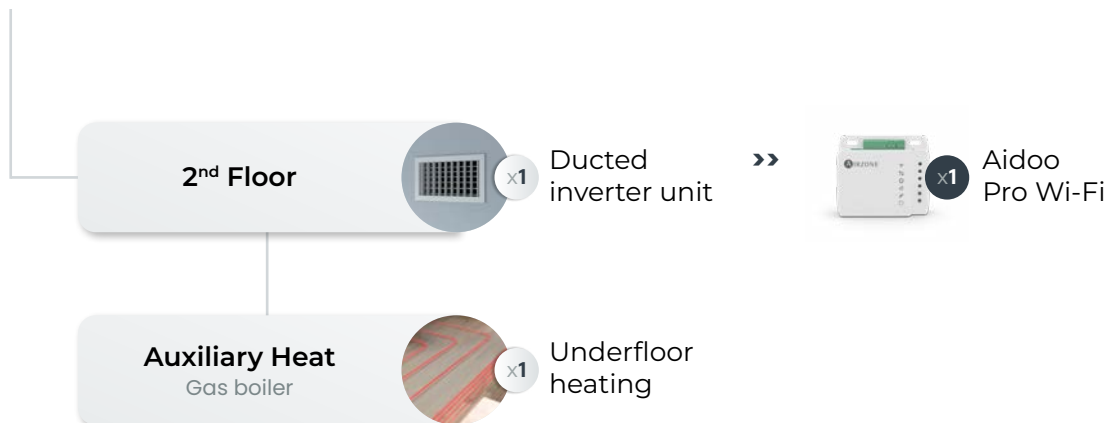


Optimized Heating for Cold Climates

In cold regions where temperatures can drop drastically, maintaining efficient heating is essential. Aidoo Pro Wi-Fi optimizes comfort and efficiency by managing auxiliary heat sources in combination with Inverter (mini split & VRF) units. When outdoor temperatures fall below a set threshold, Aidoo Pro Wi-Fi automatically switches the heat pump to an alternative heat source, such as electric resistance or gas, ensuring uninterrupted warmth. Once temperatures rise, the system reactivates the heat pump to maximize energy efficiency, providing a cost-effective and reliable heating solution for housing in cold climates.

Lodges The Marshall's Ski Lodge | Aspen, Colorado

Single family home, 2 bedrooms, kitchen, living room, dining room, all with traditional (non inverter) HVAC control



MULTI DWELLING UNITS & APARTMENTS



Total Control for standard Protocol Integration

In multi-dwelling buildings, the property management systems often rely on a specific closed communication protocol to streamline all the different smart appliances into one harmonious network, but often the HVAC system remains un Integrated. The Aidoo KNX, Zigbee, and Z-Wave Gateways are the easiest way to add Inverter (mini splits & VRF) units into these standard protocol environments.

HAVEN Apartments & Studios



Available
integrations



LUXURY HOMES



Seamless Integration for Luxury Home Automation

In high-end residences, homeowners expect the best, and that includes integrated climate control on their preferred home automation platform, maintaining the aesthetic and technological harmony of their smart home. Aidoo Pro Wi-Fi enables compatibility with leading smart home ecosystems such as Lutron and Crestron.

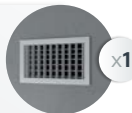
The Milston Miami Mansion | Miami, Florida



Home
Automation
System



Salon



Ducted
unit



Aidoo
Pro Wi-Fi

Master Bedroom



Ducted
unit



Aidoo
Pro Wi-Fi

Bedroom



Ducted
unit



Aidoo
Pro Wi-Fi

Gym



Ducted
unit



Aidoo
Pro Wi-Fi

Home theater



Ducted
unit



Aidoo
Pro Wi-Fi

VACATION RENTALS



Management with Remote Monitoring

Efficiently managing HVAC units across multiple rented spaces requires quick and individualized issue identification, resolution, and uninterrupted control from afar. Aidoo Pro Wi-Fi streamlines this process with advanced remote error code reporting, time-scheduling, temperature limits, and open door/window dry contacts, providing property managers with real-time diagnostics for each individual apartment while also avoiding unnecessary energy expenditure throughout the rentals.

The Retreat Apartments at Bear Lake





CLIMATE | CONTROL | PEOPLE

Getting Started with Airzone



CONTACT OUR SALES ACCOUNT MANAGER

Contact our sales team to find the sales contact in your area and answer any general questions you may have. >>



azna-staff@airzonecontrol.com



SEND US YOUR PLANS

We offer full, complimentary project plans. >>



projects_na@airzonecontrol.com



CHECK YOUR HVAC UNIT'S COMPATIBILITY

Enter the brand and model number of your unit to check its compatibility with Aidoo! Don't see your model number? Please reach out! >>



azna-staff@airzonecontrol.com



LEARN WITH AIRZONE ACADEMY

Webinars, product trainings, and more. >>



training_na@airzonecontrol.com

WATCH OUR INSTALLATION VIDEOS



<< Prepare your installation by watching our step-by-step comprehensive video tutorials.



TECH SUPPORT SERVICE



<< Pre-installation to post-installation guidance for any doubts or questions.

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About Airzone



Since 1997, HVAC design engineers, integrators, and installers have partnered with Airzone for residential and commercial projects which need to go beyond set standards in energy efficiency and comfort.

Today, Airzone is a team of 450 people, operating in 68 countries, where it collaborates with over 80 distributors and 3,000 top-tier installation companies.

Airzone control solutions are developed in collaboration with leading HVAC manufacturers and are compatible with major Smart Home and BMS integration standards.



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