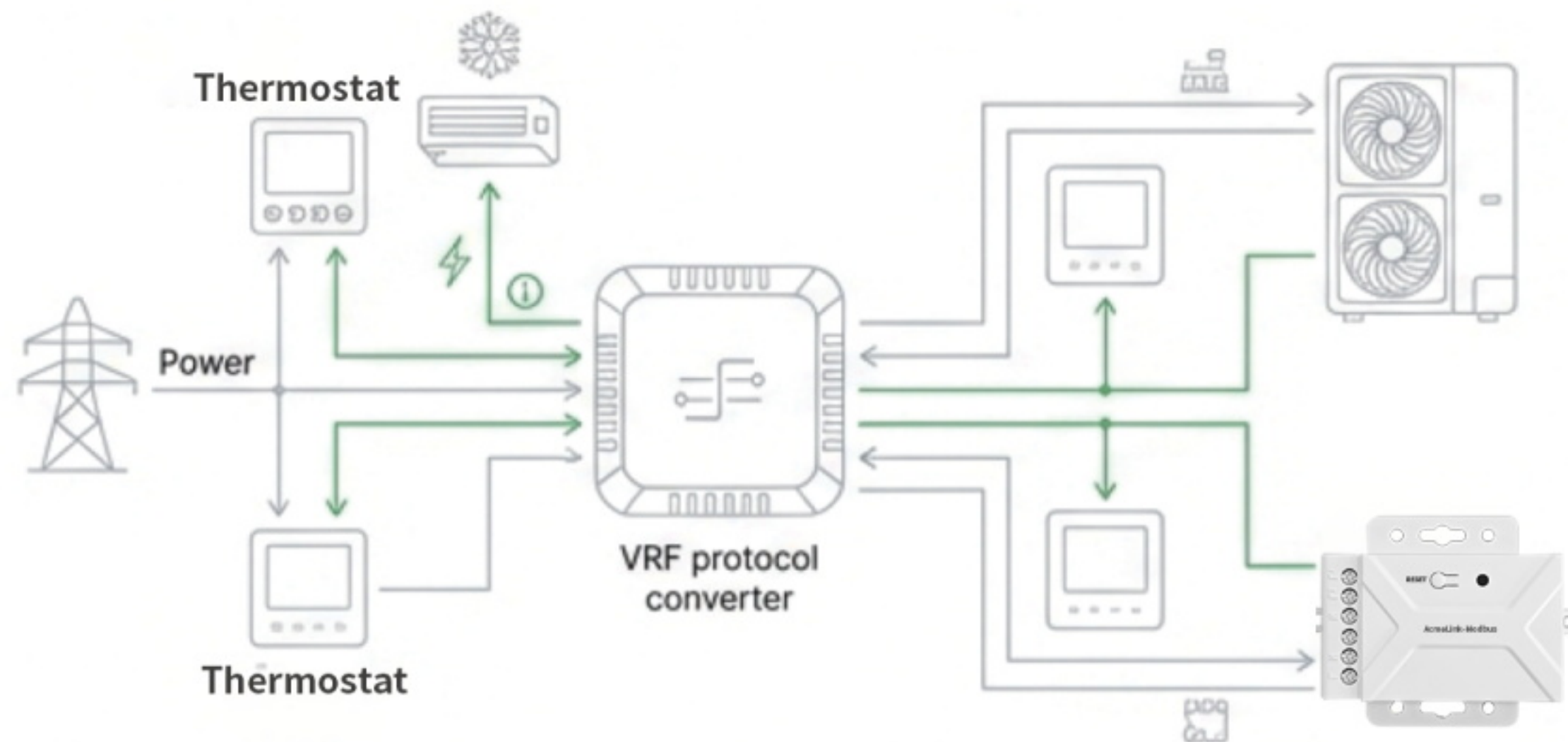


The Universal Standard: VRF & VRV Smart Control Solutions

Unifying top-tier HVAC brands with seamless protocol conversion and premium interface design.



Eliminate proprietary barriers. Connect the vast majority of market-leading VRF/VRV systems to a unified, modern smart home interface.

Engineered for the Industry Giants

Our technology is built to speak the native languages of the world's leading HVAC manufacturers. One solution applies to the vast majority of brands in the market, streamlining inventory and installation.



HITACHI



TOSHIBA

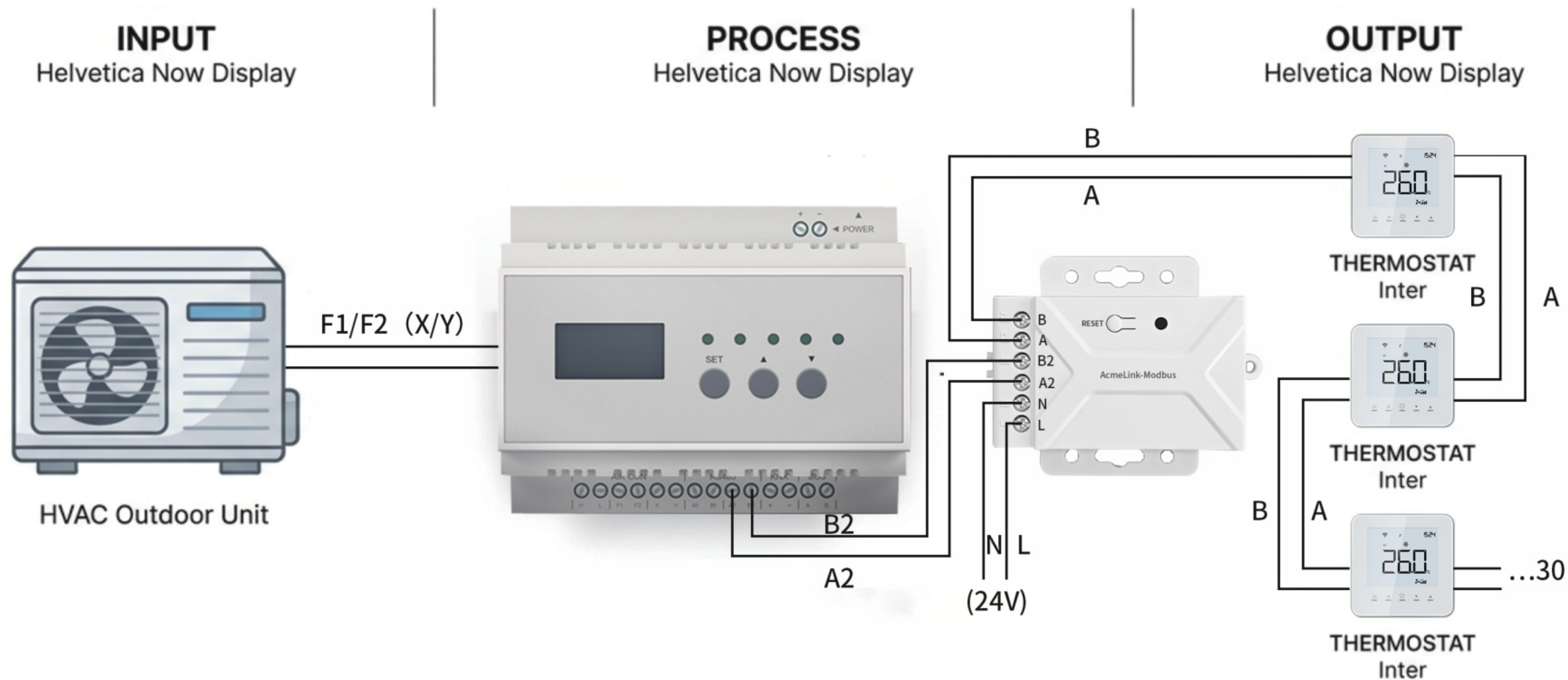
Hisense

Haier



The Core: Intelligent Protocol Conversion

Model AcmeLink-Modbus-VRF



The Interface: Where Precision Meets Design

While the converter handles the heavy lifting, the interface delivers the experience. Choose from a versatile catalog of designs ranging from minimalist glass to information-rich graphical displays.



Wi-Fi Connectivity



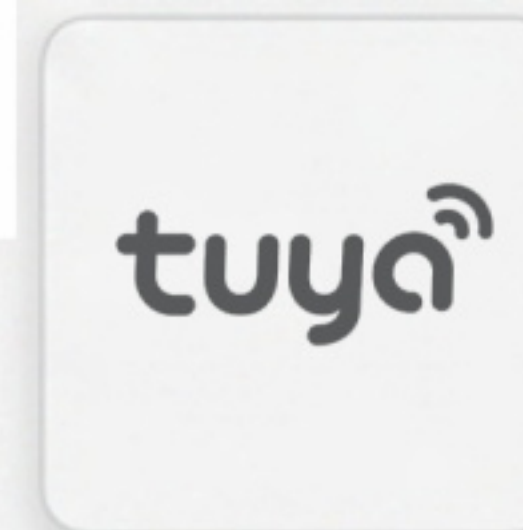
Intuitive Touch Controls



AE-6607-VRF



Zigbee Connectivity



Tuya APP

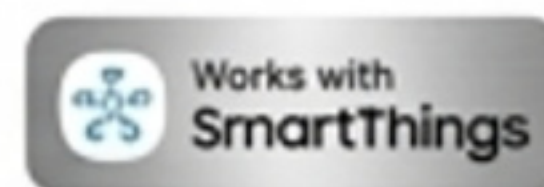
Take Command of Your Environment.



Remote App Control

Whether at home or away, your ideal temperature is at your fingertips.

Voice Integrated



Free your hands and adjust the temperature with a single sentence.

Adaptive Multiple Modes



Easily switch between cooling, heating, and air supply...
to adapt to seasonal changes.

Whole-Home Scene Linkage



Seamlessly connect with your smart home system for
automated scenes like "Sleep" or "Away".

The Modern Black Series

High-contrast visibility for contemporary spaces.



Model AE-5503-VRF



Model AE-5502-VRF



Model AE-669K-VRF

The Minimalist White Series

Discreet elegance for medical, office, and residential environments.



Model AE-5507-VRF



Model AE-5502-VRF



Model AE-5503-DB-VRF

Aluminum alloy frame series

TFT color LCD display, aluminum alloy frame, magnet installation, tempered glass surface, touch button function.



AE-6607-VRF

System Specifications & Capabilities

THE CONVERTER (AC-VRF-RS485-E1000)	THE INTERFACE (Touch Series)
Input Protocol: F1 / F2 (Direct VRF Connection)	Connectivity: Integrated Wi-Fi (2.4GHz)
Output Protocol: RS485 (Standard Automation)	Display: Capacitive Touch Glass / LED Backlit
Power Supply: 12V DC / Dedicated Terminal Block	Control Functions: Cool, Heat, Fan, Dry, Auto
Mounting: DIN Rail or Surface Mount	System Feedback: Real-time Error Codes & Status

Universal Compatibility: Daikin, Mitsubishi, LG, Carrier, York, Toshiba, Hitachi, and more.

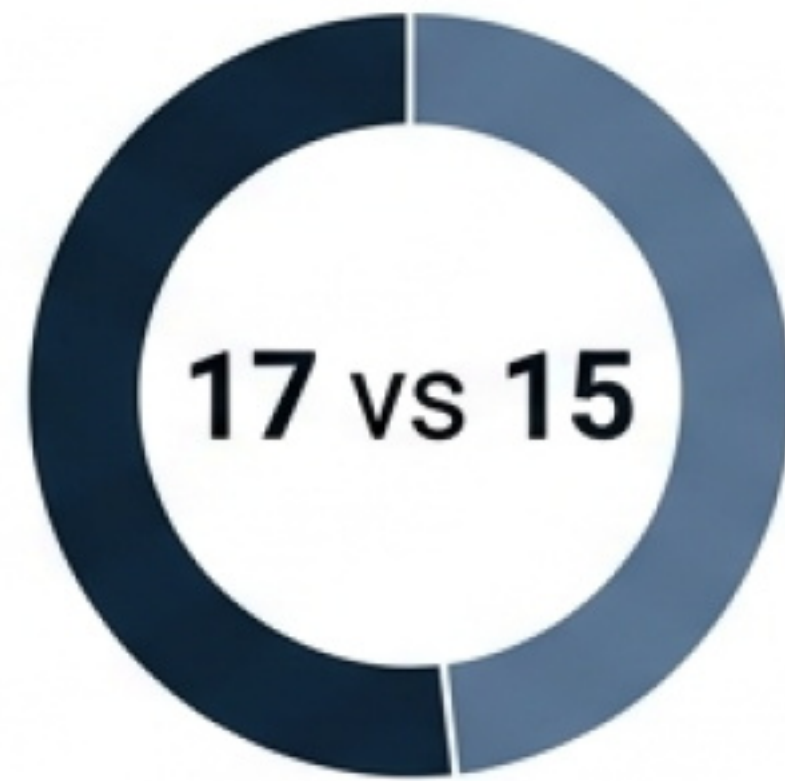
System Architecture Trends at a Glance

Most Common VRF Port

X, Y

Used in 56% (18 of 32) of system configurations, followed by F1, F2 (34%).

Polarity Split



17 configurations require polarized connections; 15 do not.

External Device Demand

~40%

13 of 32 listed configurations strictly require an external device connection.

Centralized Addressing

3

Only 3 specific configurations function as a centralized control address (Daikin Multi, Daikin Single, Toshiba).



= Yes / Required



= No / Not Required

Brand	VRF side wiring port	AC side wiring port	Polarity of wiring port*①	Is it necessary to connect the outdoor unit	Is it a centralized control address?
Daikin Multi External Unit	F1, F2	F1, F2 (External -Internal)	✕	✓	✓
Daikin - Single External Unit	F1, F2	F1, F2 (Internal-External)	✕	✕	✓
Mitsubishi Electric - Multi External Unit *②	F1, F2	M1, M2 (TB7)	✕	✓	✕
Mitsubishi Electric - Single External Unit	F1, F2	M1, M2 (TB3)	✕	✕	✕
Mitsubishi Electric - Power Multi Lingyao	F1, F2	M1, M2 (External Unit) M1, M2 (Cable distribution cabinets)	✕	✕	✕
Hitachi	F1, F2	1, 2	✕	✕	✕
Toshiba	F1, F2	U1, U2	✕	✕	✓
Panasonic	F1, F2	U1, U2	✕	✕	✕
Hisense	F1, F2	1, 2	✕	✕	✕
Haier	F1, F2	P, Q	✕	✕	✕
McVeil	X,Y	Apc,Bpc	✓	✓	✕
Tianjia	X,Y	A3,B3	✓	✕	✕
Chigo	X,Y	P,Q	✓	✕	✕
Trang	X,Y	A,B	✓	✓	✕
York household water machine	X,Y	A,B	✓	✓	✕
	X,Y	A2,B2	✓	✓	✕

Brand	VRF side wiring port	AC side wiring port	Polarity of wiring port*①	Is it necessary to connect the outdoor unit	Is it a centralized control address?
York - Qingdao	F1, F2	1, 2	✕	✕	✕
York - Guangzhou	X, Y	A2, B2	✓	✓	✕
GREE	H, L	G1, G2	✓	✓	✕
	H, L	D1, D2	✓	✕	✕
TCL	H, L	F1, F2	✓	✕	✕
Mitsubishi Heavy Industries	X, Y	A1, B1	✕	✕	✕
	X, Y	A2, B2	✕	✕	✕
Midea, Bosch, Carrier	X, Y	X, Y	✓	✓	✕
	X, Y	P, Q	✓	✕	✕
Midea - Cool Style	X, Y	A, B (External)	✓	✓	✕
Oaks	X, Y	A, B	✓	✕	✕
Samsung	X, Y	F1, F2	✕	✕	✕
LG	X, Y	A, B (CEN)	✓	✕	✕
McQuay household water machine	X, Y	Apc, Bpc	✓	✓	✕
Carrier household water machine	X, Y	A, B	✓	✓	✕
Trang household water machine	X, Y	CN29 (A, B)	✓	✓	✕