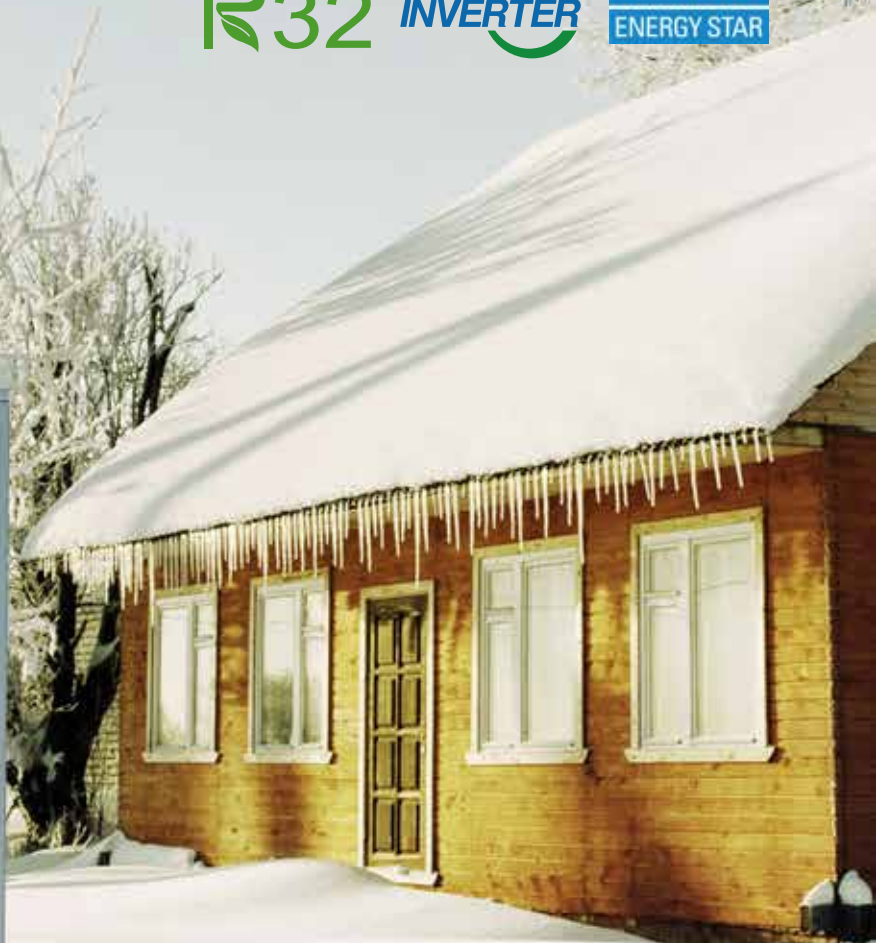


TOSOT

Ultra Heat
R32 INVERTER



MULTI-ZONE SYSTEM

Ultra Heat Multi-Zone System, Idea for Your Home



6+1 Flexible
Combination



21 SEER2/
10 HSPF2



-22°F~118°F
Operating Range



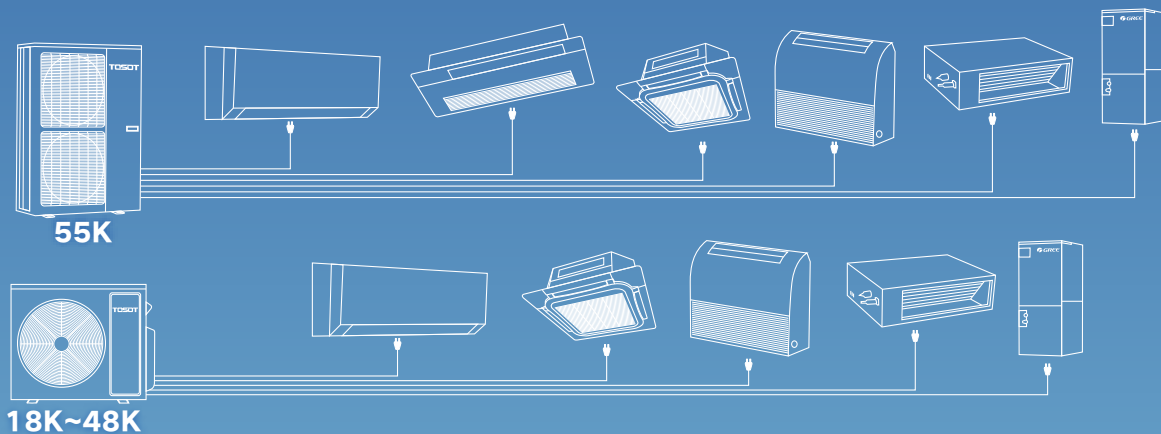
Easy Installation



Smart Control

Ultra Heat Multi-Zone System

- R32 eco-friendly refrigerant
- Wide capacity range: 18-55K BTU/H
- One outdoor unit can connect to up to six indoor units
- Connected capacity up to 150%
- Ultra heat and ultra cool



Product Lineup Introduction

	Appearance	Capacity	Number of Connectable IDUs	9K	12K	18K	21K	24K	30K	36K
Outdoor Unit		18000 BTU/H	2	✓	✓					
		18000 BTU/H	3	✓	✓					
		24000 BTU/H	3	✓	✓	✓				
		30000 BTU/H	4	✓	✓	✓	✓	✓		
		36000 BTU/H	4	✓	✓	✓	✓	✓		
		42000 BTU/H	5	✓	✓	✓	✓	✓		
		48000 BTU/H <small>NEW</small>	5	✓	✓	✓	✓	✓		
		55000 BTU/H <small>NEW</small>	6	✓	✓	✓	✓	✓	✓	✓

Capacity (BTU/H)	9K	12K	18K	20K	21K	24K	30K	36K
	✓	✓	✓		✓	✓	✓	✓
	✓	✓	✓		✓	✓	✓	✓
	✓	✓	✓	✓				
	✓	✓	✓			✓	✓	✓
	✓	✓	✓			✓	✓	✓
	✓	✓	✓					
		✓	✓			✓		

01 R32 Refrigerant

R32 Refrigerant for Less Charge, Higher Efficiency



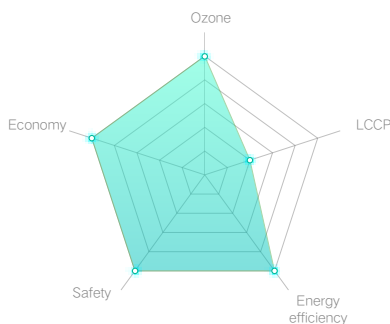
ODP= 0
GWP= 675

Low toxicity, same with R410A
Micro flammability

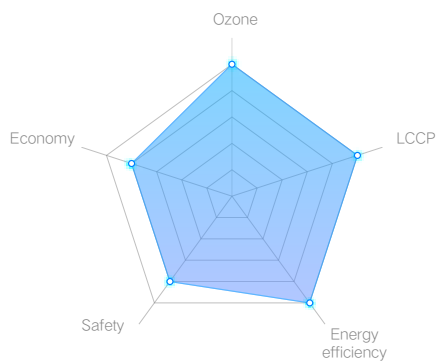
The safety grade of R32 is A2L(according to ASHRAE 34-2010), which means it is hardly combustible.

Low Environment Impact

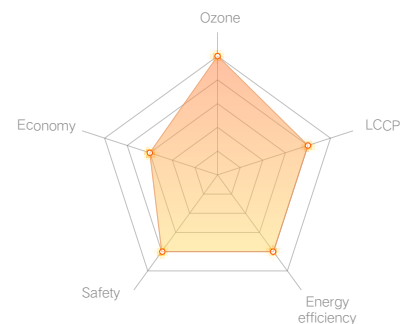
HFC410a(R410a)



HFC32(R32)



HF01234yf(R1234yf)



R32

R410A



R32

R410A

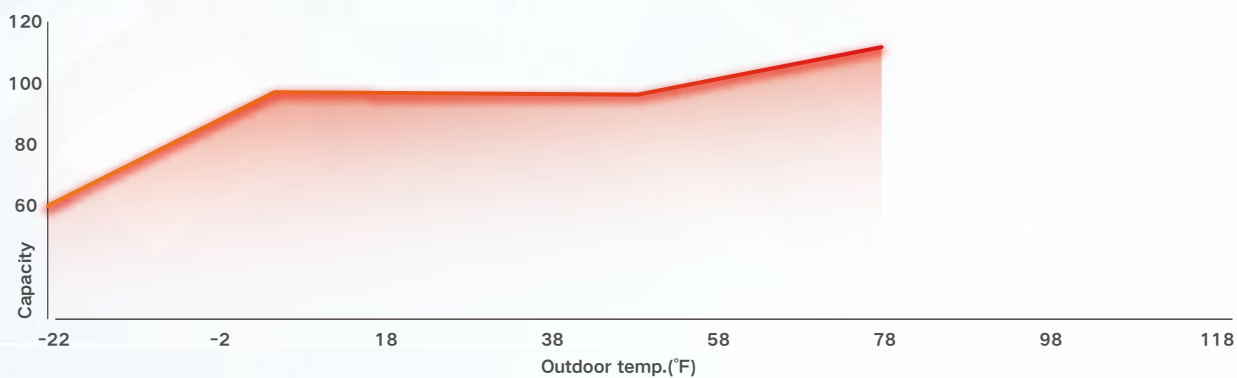


*This data is compared under the same refrigerant charge for two different refrigerants. The actual efficiency of the unit may vary due to different requirements and the refrigerant charge.

02 Ultra Heat Stable Operation

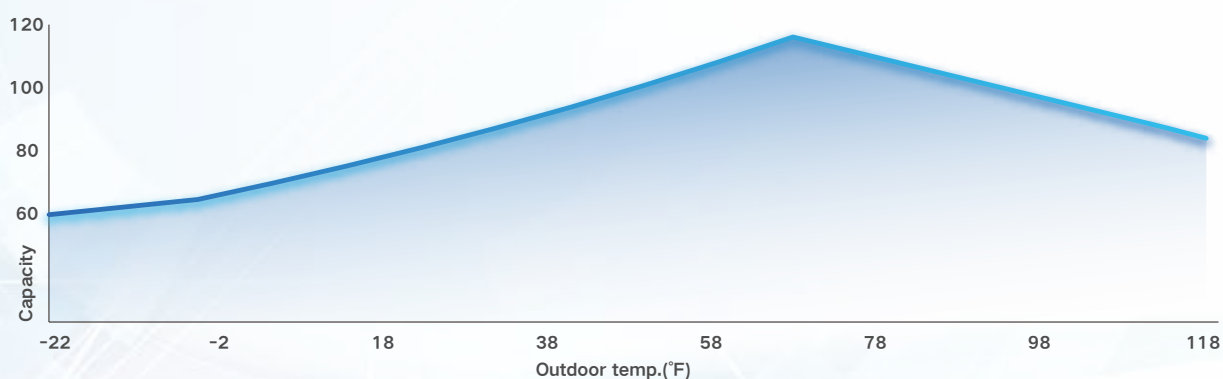
■ Ultra Heat

Stable heat at -22°F (-30°C) \sim 75°F (24°C)



■ Ultra Cool

Stable cool at -22°F (-30°C) \sim 118°F (48°C)



■ Wide Voltage Range



● Suitable for regions with unstable power supply

03 G-MAX Outdoor Unit

■ MAX Convenience

Compact design

High loading capacity

*ODU loading capacity up to 284 sets per 40'HQ (18K ODU)

* Reduce storage space and cost



Easy installation and maintenance

G-MAX allows you to replace the main board only by removing the top cover, which is suitable for working at high places or in small installation space such as a narrow balcony.

- Easy to install and transport
- Convenient for after-sales service
- Convenient for working at height



■ MAX Connection - Extra Long Piping

25m

Maximum vertical
drop of connection pipe

100m

Maximum total
connection pipe length



■ MAX Guard

6 anti-corrosion measures, for all-round protection, longer service life and less maintenance

▶ Anti-corrosion fins (optional)

Gold and black fins with better anti-corrosion performance

▶ Sheet metal parts, chassis and footings protection

Polyester powder is used for protecting spraying plastics

▶ Anti-corrosion compressor

The black needled felt sound insulation cotton is used to improve the protection of compressor

▶ Anti-corrosion motor

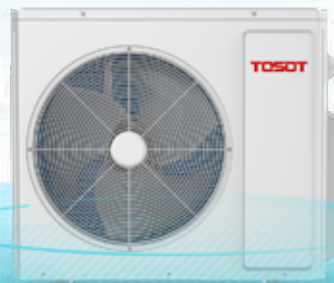
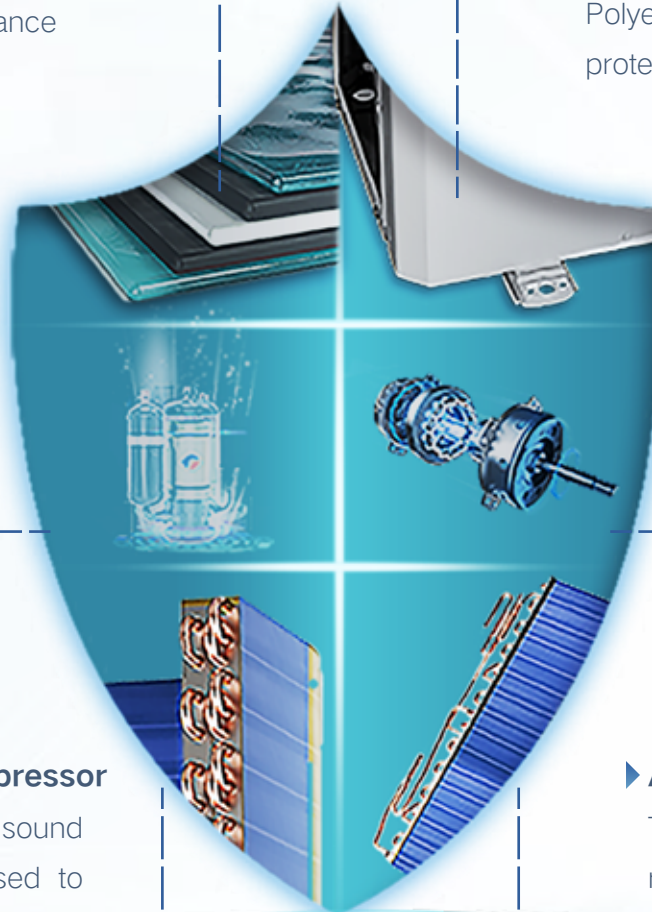
The rotating shaft of motor receives the treatment of phosphating on the surface, which effectively prevents salt spray corrosion

▶ Side plates of condenser and evaporator

Hot galvanized plate with better anti-corrosion performance

▶ Anti-corrosion pipes (optional)

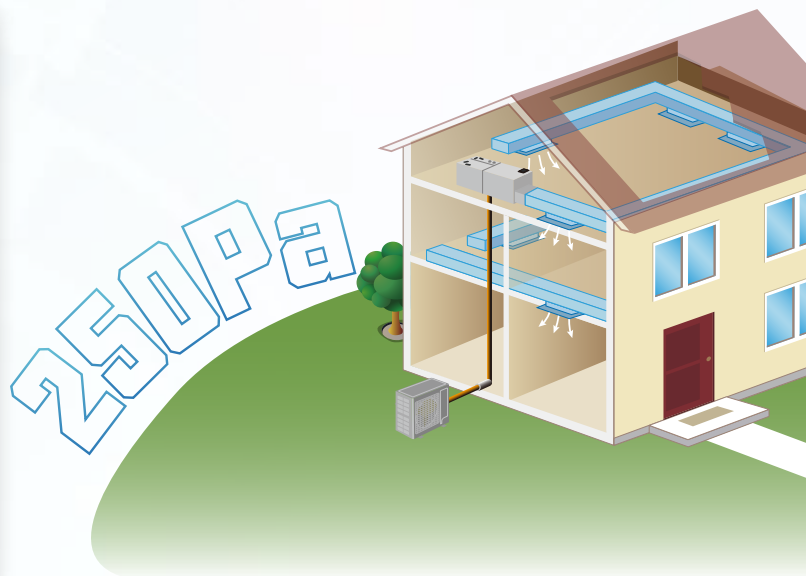
Epoxy zinc phosphate coating is served as a protective film on the surface of the pipes



04 High ESP Air Handler NEW IDU

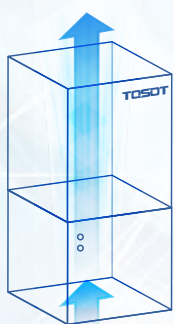
■ 250Pa High Static Pressure

The highest static pressure of the indoor unit reaches 250Pa(1.0 IN WG), which can meet the demand for long-distance and high-resistance ducted air supply.

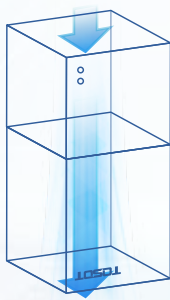


■ Multiple Air Outlet Ways

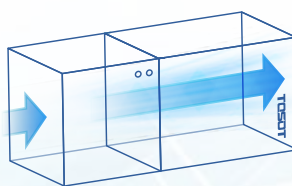
The indoor unit has four air outlet ways. Users can choose different air outlet ways to install.



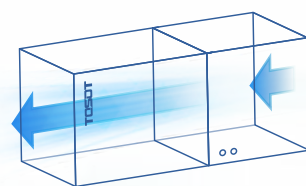
Up



Down



Right



Left

■ 8 Kinds of Air Volume Optional

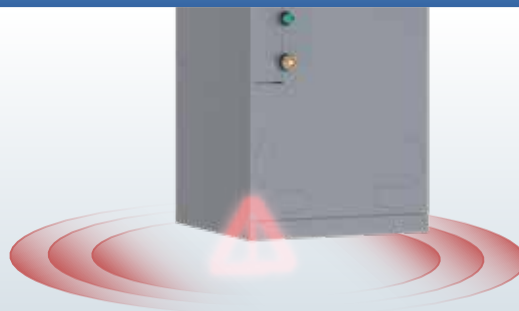
The indoor unit is with multiple fan speeds for selection. Users can select proper fan speeds according to their actual circumstances during installation.



■ RELIABILITY & SAFETY

Refrigerant Leakage Sensor

The refrigerant leakage sensor can trigger the audio-visual alarm in a timely manner, force the indoor unit fan to start, and shut down the outdoor unit, ensuring safety and reliability.



Heat Dissipation of Refrigerant

Heat dissipation of refrigerant maintains low module temperatures at high-temperature environment, and ensures stable and reliable operation of controller.



05 Self-adaptive Protection Technology

■ Effectively respond to some faults

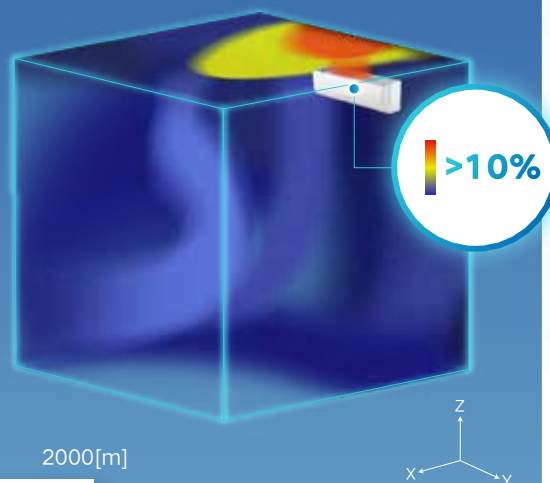
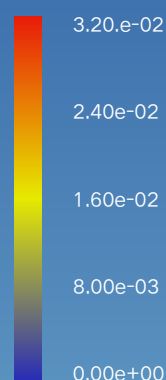
- * Smart self-check and independent indoor unit system
- * Active adjustment of the operating status

*Note : Refrigerant leak fault is excluded.

■ Refrigerant Leakage Prevention

With built-in detecting sensor, it can detect the concentration of refrigerant in the air. When the concentration value exceeds the preset detecting value of the refrigerant system by 10% LFL, the buzzer will buzz for 5 seconds and error code EA will be displayed.

C3h8.Mass Fraction



Quick Refrigerant Dispersion

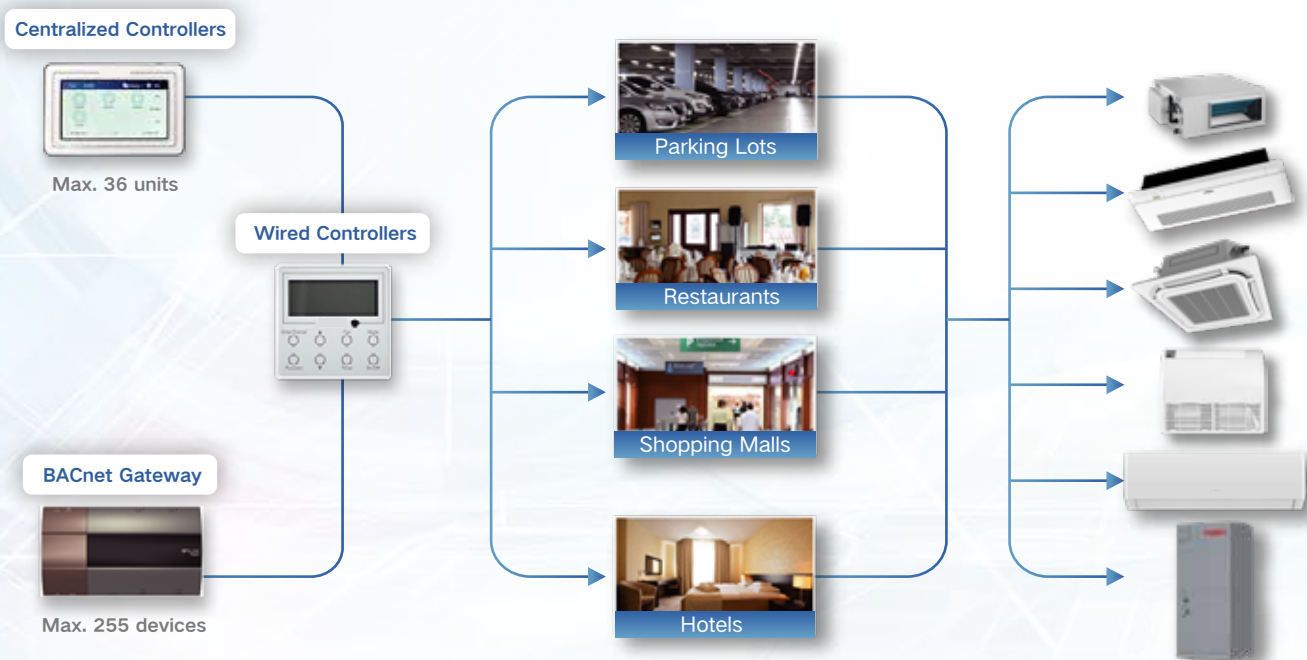
Indoor fan switches to turbo mode to quickly and efficiently evacuate the refrigerant. The outdoor unit stops.



06 Intelligent Control System

Smart Centralized Control

No More Difficult to Manage Several Units at the Same Time



- ▶ Through TOSOT smart centralized controller, control of switches, modes, temperature and timer of up to 36 units can be realized in a centralized way.
- ▶ For large hotels, shopping malls, parking lots and similar areas, the utilization of BMS-building Management System can achieve centralized control of up to 255 devices
- ▶ When connecting the unit to the centralized controller or BACnet gateway, the wired controller must be connected first.

Compatible Wire Controllers

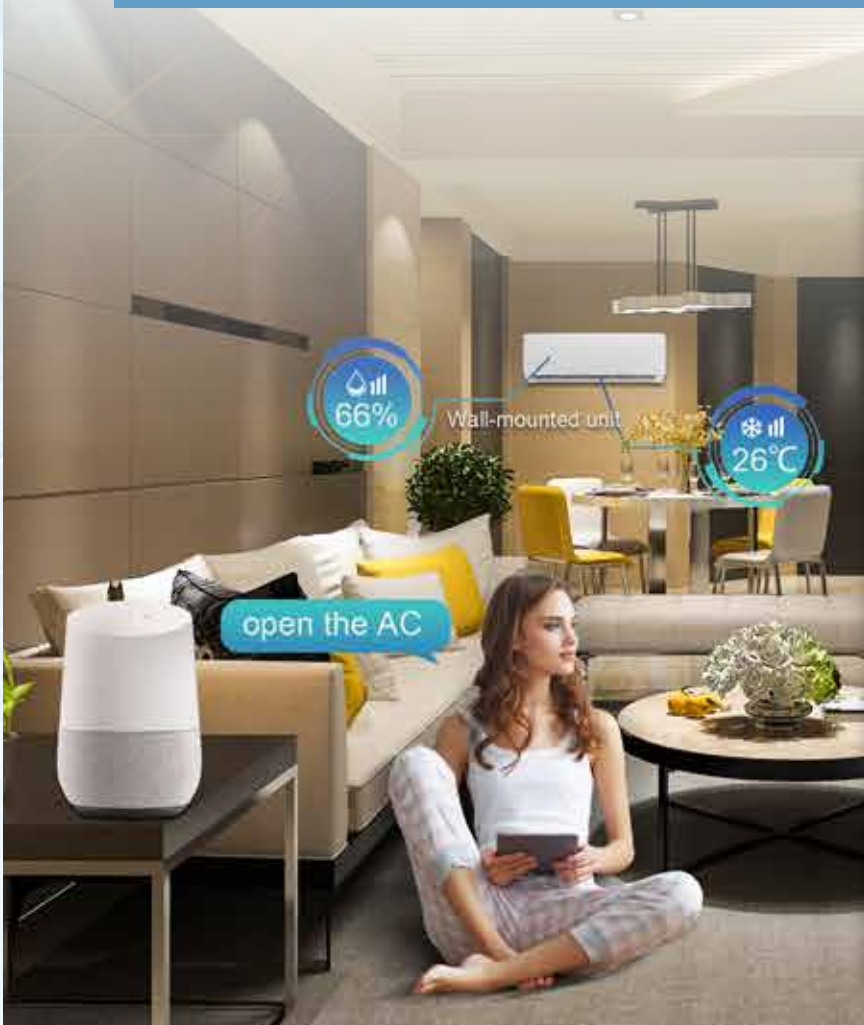
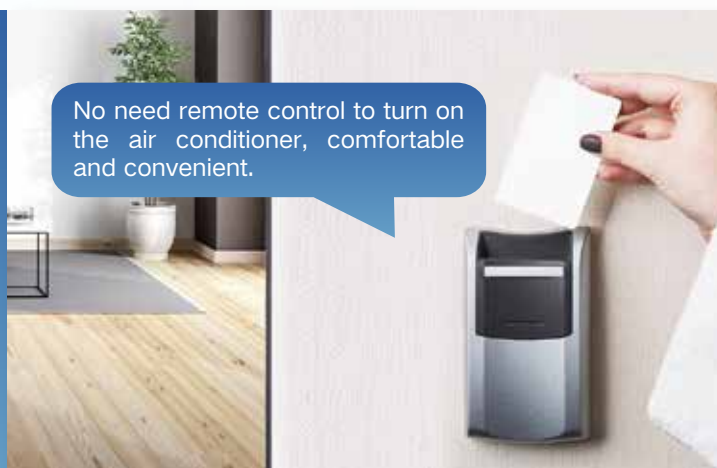
Wired Controllers	BACnet Gateway & Centralized Controllers	Split AC Controllers	Multi-Zone
XK19	✓		✓
XE71	✓	✓	
XE72	✓		✓
XE74	✓	✓	✓
XK76	✓	✓	✓

Key-card Control

The key-card control system can control the switch of the unit by swiping your key-card.

When the key-card is removed, the air conditioner will still keep working for 6mins and then enter into standby state automatically.

Note: This function is available for some models.



Smart Voice Control to Free Your Hands

Smart voice control is supported, and third party smart voice speakers are compatible.

When you give a command, the third party smart voice speakers, such as Google Assistant or Amazon Alexa, will send the command to the unit. Without a remote control, you can enjoy smart life anytime and anywhere in your house.



Timer



Wifi Control



Voice Interaction



Smart on Demand



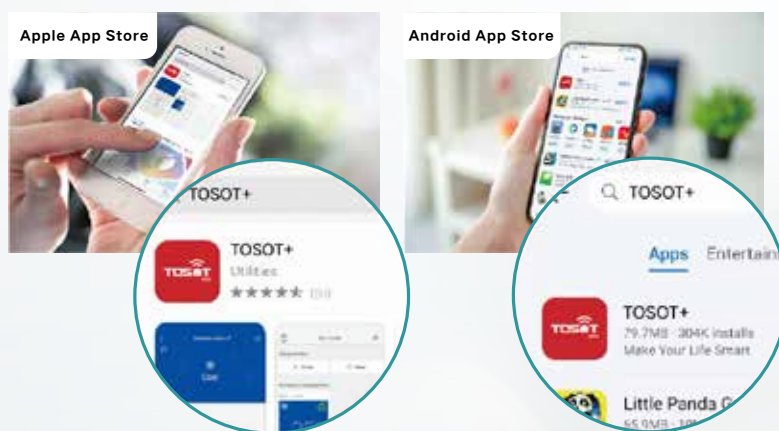
Life Helper

■ Wifi Bluetooth Efficient Networking

Long-distance control of unit on and off, temperature and fan speed, etc. by APP in the mobile phone.

- Automatically connect to the network and find nearby devices
- Improve success rate of networking and reduce the networking steps
- Effectively improve the operation convenience and reliability of the product

Search "TOSOT+" in APP store and download it



Note: See below link for "TOSOT+" connection in details. Please get the link for operation.
<https://youtu.be/LJOrDnAjNL8>

Connect in 4 steps



Note:

Gree is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

All features and specifications are subject to change without prior notice.

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