

York VRF systems to Home Automation Application

Item number: IN770YRK00MO000

The York application allows bidirectional control and monitoring of York VRF systems from a Home Automation controller. This solution allows the integration of up to 64 indoor units.



York to Home Automation - Up to 64 Indoor Units

Features and benefits

 Compatible with the main Home Automation systems

Easy integration of AC systems into IP Home Automation technology thanks to our open WMP protocol. Check the download section to find the available drivers.

- ✓ Reduce commissioning time

Scan the bus and find all the units connected to the HVAC system with their control signals, including outdoor unit indicators.

- ✔ A gateway for any project's size

Choose the license that best fits your needs (XXS - 4 indoor units, OOS - 16 indoor units, OOM - 64 indoor units), or upgrade your current license. Your project's dimensions and budget are covered.

 Fast and intuitive project configuration

Intesis MAPS is the user-friendly configuration tool that enables you to maximize the potential of Intesis gateways. Select your template and avoid manual signal mapping.

- ✔ Minimize the use of installation materials, reduce the installation work

The gateway is connected directly to the outdoor units' communication bus. One single gateway enables centralized access to the entire HVAC system.

- ✔ Enable energy efficiency by controlling the building's main consuming asset

The gateway's Power Estimation Algorithm allows you to estimate the energy consumption of each indoor unit connected to the VRF system.

 Avoid compatibility issues

This gateway is compatible with any York VRF system.

 Automatic updates will keep your product high performing

Both the Intesis MAPS configuration tool and the interface's firmware can receive automatic updates to improve the product's functionality.

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General	
Net Weight (g)	240
Packed Width (mm)	135
Packed Height (mm)	85
Packed Depth (mm)	140
Packed Weight (g)	310
Operating Temperature °C Min	0
Operating Temperature °C Max	60
Storage Temperature °C Min	-30
Storage Temperature °C Max	60
Power Consumption (W)	127
Input Voltage (V)	For DC: 12 .. 36 VDC $\pm 10\%$, Max: 250 mA For AC: 24 VAC $\pm 10\%$, 50-60 Hz, Max: 127 mA Recommended voltage: 24 VDC, Max: 127 mA
Power Connector	3-pole
Configuration	Intesis MAPS
Capacity	Up to 64 indoor units and up to 64 outdoor units.
Installation Conditions	This gateway is designed to be mounted inside an enclosure. If the unit is mounted outside an enclosure, precautions should always be taken to prevent electrostatic discharge to the unit. When working inside an enclosure (e.g., making adjustments, setting switches, etc.), typical anti-static precautions should always be followed before touching the unit.
Content of Delivery	Intesis Gateway and Installation Manual.
Not Included (in delivery)	Power supply and USB cable not included.
Mounting	DIN rail mount (bracket included), Wall mount
Housing Materials	Plastic

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General

Packaging Material Cardboard

Warranty (years) 3 years

Identification and Status

Product ID IN770AIR00MO000_WMP_YRK

Country of Origin Spain

HS Code 8517620000

Dual Usage No

Export Control Classification Number (ECCN) EAR99

Physical Features

Connectors / Input / Output Power supply, EIA-485, KNX, Ethernet, HVAC port, Binary inputs (dry contact), Console port USB.

LED Indicators Gateway and communication status.

Push Buttons Factory reset. I-Am message (for BACnet only). Normal mode/programming mode switch (for KNX only).

DIP & Rotary Switches EIA-485 serial port configuration.

Contains Battery No

Certifications and Standards

ETIM Classification EC001604

CE Yes

CB Yes

UKCA Yes

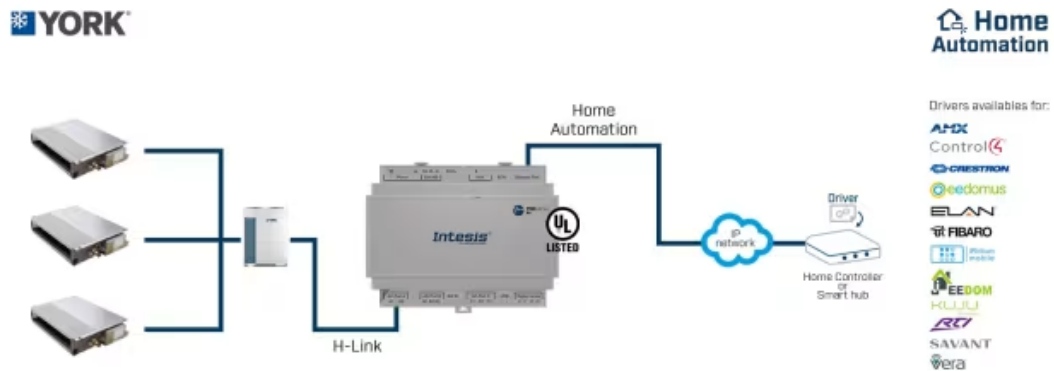
UKPSTI Yes

UL Yes

WEEE Category IT and telecommunications equipment



Use Case



Integration example.



Use Intesis MAPS to change the protocol: BACnet, Modbus, KNX, or Home Automation