



NIBE heat pumps to KNX

Item number: IN790NIB100A000

This gateway enables full monitoring and control of NIBE heat pumps from KNX TP systems, in residential and commercial building automation projects.

NIBE heat pumps to KNX - Up to 5 units and 100 points

Features and benefits

- ✓ **Full KNX interoperability**
It exposes NIBE heat pump signals as standard KNX group objects, allowing direct integration into KNX networks.
- ✓ **Centralized Heat Pump Control from KNX**
Operating modes, temperatures, setpoints, system status, and alarms are available in KNX, enabling centralized HVAC control alongside lighting, shading, and other subsystems.
- ✓ **Simplify system design and reduce integration costs**
The gateway supports up to five NIBE units from multiple heat pump families and allows the integration of different models of air-source and ground-source within the same KNX project.
- ✓ **Advanced energy management and optimization strategies**
In addition to core heat pump signals, it provides specific datapoints for NIBE accessories such as photovoltaic integration, ventilation heat exchangers, or 4-pipe cooling.
- ✓ **Ensure stable operation in professional KNX installations**
By continuously polling the NIBE system, it serves updated values to the KNX bus, ensuring consistent and predictable data availability.
- ✓ **Fast Commissioning with Preconfigured Templates**
Reduce engineering time and configuration errors by opening a preconfigured template, available on Intesis MAPS for each heat pump model.
- ✓ **Deploy a reliable solution trusted by HVAC and KNX professionals**
Designed, certified, and supported by Intesis and NIBE, the gateway delivers industrial-grade reliability for long-term building automation deployments.
- ✓ **Match the KNX datapoints precisely to the project requirements**
Each signal supports arithmetic and logical operations, for a perfect adaptation between NIBE systems and KNX logic.



General	
Net Width (mm)	88
Net Height (mm)	90
Net Depth (mm)	58
Net Weight (g)	194
Packed Width (mm)	127
Packed Height (mm)	86
Packed Depth (mm)	140
Packed Weight (g)	356
Operating Temperature °C Min	-10
Operating Temperature °C Max	60
Power Consumption (W)	1.7
Configuration	Intesis MAPS
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.
AC Model Compatibility	This product is compatible with ground- and air-source NIBE systems, with a capacity of up to five NIBE units and 100 communication registers.
Content of Delivery	Intesis Gateway, Installation Manual, USB Configuration cable.
Not Included (in delivery)	Power supply not included.
Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	3 years



Identification and Status

Product ID	IN790NIB100A000_KNX_NIB
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

Physical Features

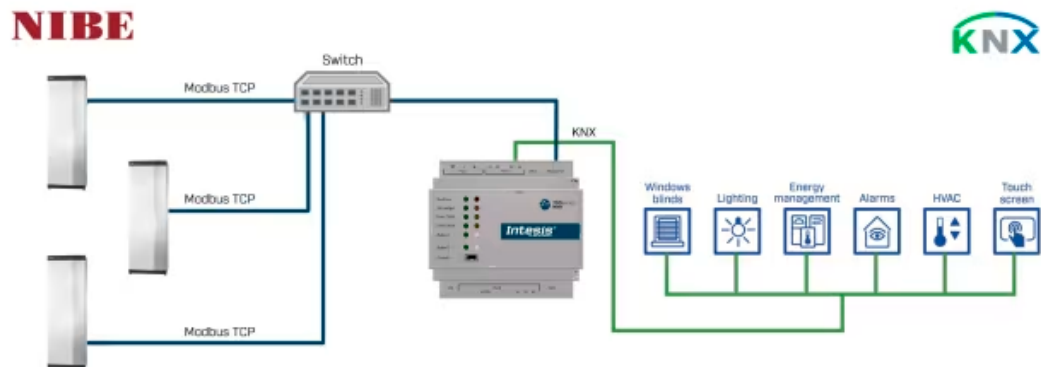
LED Indicators	Gateway and communication status.
Push Buttons	Factory reset.
Contains Battery	No

Certifications and Standards

CE	Yes
CB	Yes
UKPSTI	Yes
UL	Yes
KC	Yes
BTL	No
WEEE Category	IT and telecommunications equipment



Use Case



Integration example.



Use Intesis MAPS to select the BMS protocol: BACnet, or KNX.