iX10 Touch Panel

Product Code	ITR110-X4X0
Power Supply	12-30 VDC Power Supply or PoE+
Nominal Current Consumption	1.45 A @12 VDC 0.7 A @24 VDC 0.6 A @30 VDC
Communication Current (from the KNX Bus)	5 mA
Max. Power Consumption	18 W
CPU	Quad-Core ARM Cortex-A53
Memory	2 GB DDR3
Storage	8 GB EMMC
OS	Interra Operation System base of AOSP 7.1
Temperature Range	Operation (-20°C...70°C) Storage (-30°C...100°C)
Type of Protection	IP 20
USB	2 x USB2.0
KNX	1 x KNX Connector
Peripherals	Temp/Hum Sensor, Feedback backlight, MEMS Microphone
Other	Hey Interra Voice assistance
Display	10" Screen with multitouch function, Resolution 1280x800
Button	Reset button
Network	100Mbps Ethernet and USB WIFI
RTC	Real Time Clock up to 5 days
GPIO	6 Digital Dry Contact Input, 6 Relay Output
Dimensions	205 x 273 x 36 mm (W x L x H)
Configuration	With Interra Configurator Software

DESCRIPTION

iX10 is designed to manage your entire automation system from one central point. It is capable of controlling a range of systems including switches, sensor, lighting, heating, cameras, and alarms

You can control the system from your mobile device by downloading the Interra Pro app from the App Store or Google Play. For setup and configuration of the Interra touch panels, you can download the Interra Configurator software from our website: www.interratechnology.com.

MODELS AND VARIATIONS

ITR110-$X_1$4$X_2$0

X_1: KNX/PoE Status **X_2:** Case Type

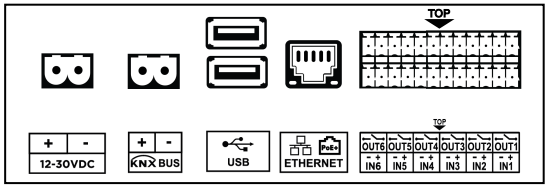
X_1	0	1	2	3
KNX	✗	✓	✗	✓
PoE+	✗	✗	✓	✓

X_2	Case Type
0	Full Screen
1	Full Frame

MAIN FUNCTIONAL CHARACTERISTICS

- **Automation Control:** Control EIO (IO Module controlled over ethernet) and KNX automation systems with the Interra Touch Panel.
- **Timer Feature:** Schedule operations daily, weekly, monthly, or annually using the panel's timer.
- **Security Control:** Manage security systems and view cameras via the panel and mobile apps.
- **Logic Operations:** Perform various logic operations with the Interra Touch Panel.
- **Push Notifications:** Receive instant notifications on mobile via Google and Apple Cloud.
- **IoT Devices:** Control all IoT-compatible devices with the Interra Touch Panel.
- **Voice Control:** Control the house using voice commands with assistants like Hey Interra Voice Assistant.

CONNECTIONS



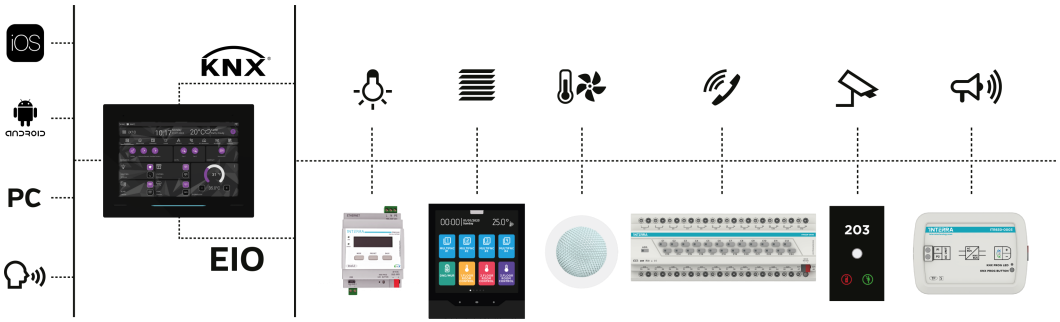
Voltage: The panel is powered with 12-30 VDC via 2-pos red coloured connector. Connector label shows the correct polarity for cable connections.

KNX: The panel has a blue 2-pos connector for KNX port. Connector label show the correct polarity for cable connections.

USB: The iX10 features two USB host connectors on the side panel for various purposes like storage expansion and Wi-Fi dongle use.

Ethernet: The panel includes a standard 10/100Mbps RJ45 Ethernet connector.

I/O: The panel has 6 digital dry contact inputs and 6 relay outputs, Output relay contacts capable of driving 250VAC 5A resistive loads.



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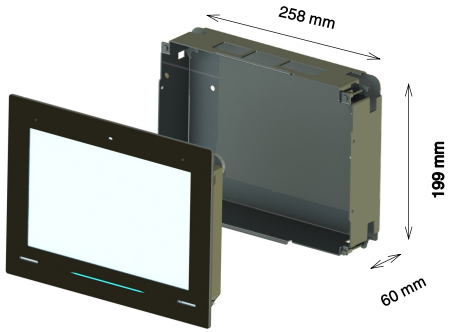
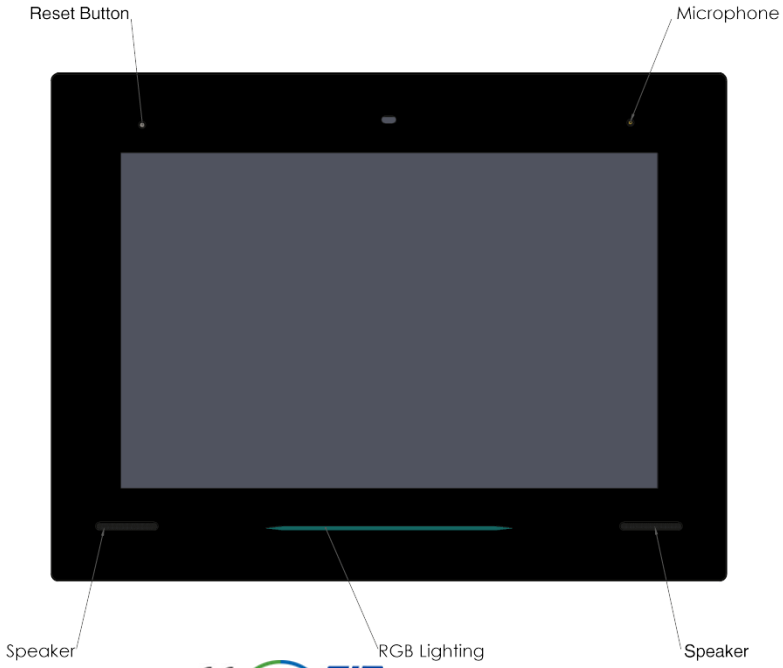
DIMENSIONS

a.) Montage Box:

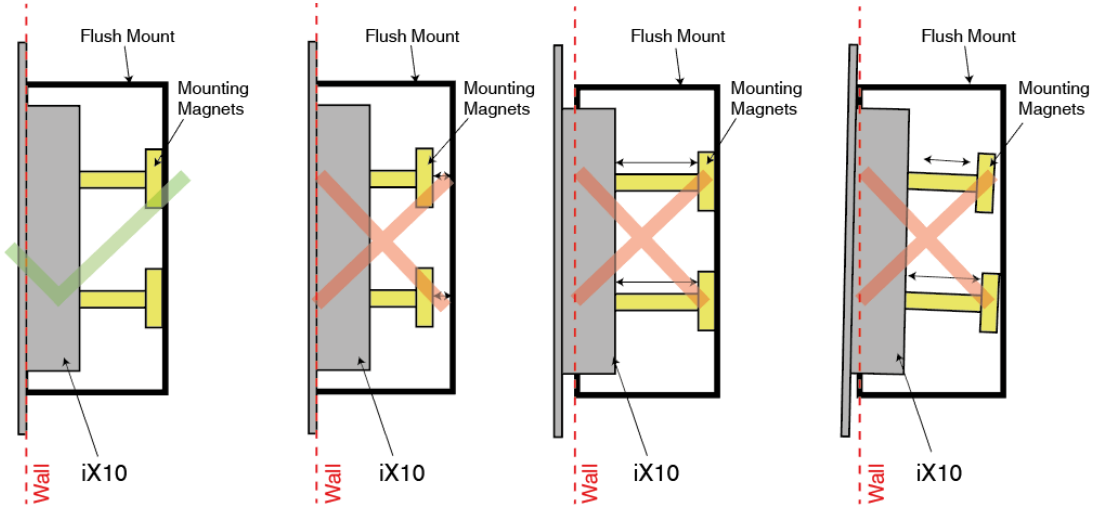


b.) Device

GENERAL FEATURES



MOUNTING



The device is suitable for use in dry interior rooms and can only be mounted on a standard-sized round or square wall flush mounting box. The iX10 should be mounted only after the wall painting is completed to avoid damaging the product's appearance. Important considerations for mounting are listed below

- The height of the mounting magnets must be adjusted with the help of screwdriver so that the iX10 product fits perfectly on the wall.
- When the iX10 is mounted on a wall, the magnets should be neither too high nor too low to touch the metal surface.

SAFETY INSTRUCTIONS

- The device may only be installed and put into operation by a qualified electrician or authorized personnel.
- For planning and construction of electrical installations, the appropriate specifications, guidelines, and regulations in force in the respective country must be followed.
- Do not connect the main voltage (230 VAC) or any other external voltages to any point of the KNX bus.
- Connecting an external voltage might put the KNX system at risk. Please do not overlook this issue.
- Ensure there is sufficient insulation between the 230 V AC voltage cables and the KNX bus.
- The maximum screwing torque value should be 1.2 Nm during the mounting process of the mount case and touch panel.
- Do not use aerosol sprays, solvents, or abrasives that might damage the device.
- Accessibility of the device for operation and visual inspection must be provided.