

## i7+ Touch Panel



<b>Product Code</b>	ITR165-0002
<b>Power Supply</b>	12 V - 2 A DC Power Supply
<b>CPU</b>	ARM Cortex A7 Dual-Core 2x1.2 GHz
<b>Memory</b>	1 GB DDR3
<b>Storage</b>	8 GB EMMC
<b>OS</b>	Android
<b>USB</b>	1 x USB2.0
<b>KNX</b>	1 x KNX Connector
<b>Sensors</b>	1 x Temperature Sensor
<b>Display</b>	7" LCD, HDMI 1.3 up to 1920 x 1080p @60 Hz
<b>Network</b>	100 Mbps Ethernet and USB WIFI
<b>RTC</b>	System includes RTC with CR1220 battery
<b>GPIO</b>	3pcs relayed Output (5 A), 3pcs input connectors.
<b>Temperature Range</b>	Operation (0°C...45°C) Storage (-15°C...70°C)
<b>Dimensions</b>	i7+ Panel : 125 x 210 x 54.15 mm (W x H x D) Mounting Box : 116 x 201 x 65 mm (W x H x D)
<b>Certification</b>	KNX Certified
<b>Configuration</b>	With Interra Configurator Software

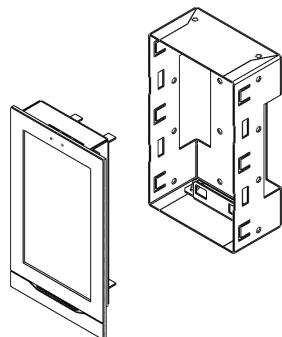
### DESCRIPTION

Interra i7+ touch panel is designed to control the entire automation system from a single smart point. Interra I7+ can control complex systems such as switches, simple sensors, lighting, camera systems and alarm systems from a central point. Moreover, i7+ can also control the air conditioning systems with 2-point mode by thermostat functionality. Mobile control can be done by downloading Interra Pro software from online software markets related to IOS or Android-based devices. Also, The configuration software (Interra Configurator) can be downloaded from our website ([www.interratechnology.com](http://www.interratechnology.com)) for the i7+ touch panel configuration.

### MAIN FUNCTIONAL CHARACTERISTICS

- The automation system via EIO (Ethernet Input / Output) and KNX can be controlled with i7+ touch panel.
- Via i7+ touch panel's timer feature, desired operations can be made according to daily, weekly, monthly, annual or determined schedules.
- Security systems can be controlled via mobile and panel applications and also available cameras can be displayed with i7+.
- Air conditioning systems can be controlled by thermostat function. 2-point on/off control can be made according to configured hysteresis with an internal sensor or external source.
- The desired number of logic operations can be made with i7+.
- Push notifications to mobile applications are immediately sent in the event of notification via Google and Apple Cloud.
- With i7+, the house can be controlled via voice command assistants such as Siri.

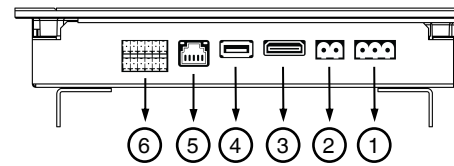
### MOUNTING



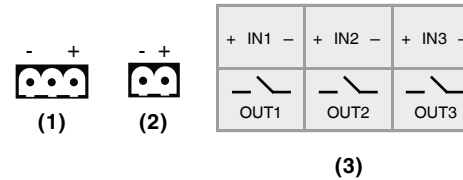
First, the mounting box must be attached to a suitable place on the wall. The long side of the mounting box should be placed at a right angle to the ground.

Then i7+ is attached to the mounting box as shown in the left figure and the mounting process is completed.

### CONNECTIONS



#### Polarization:

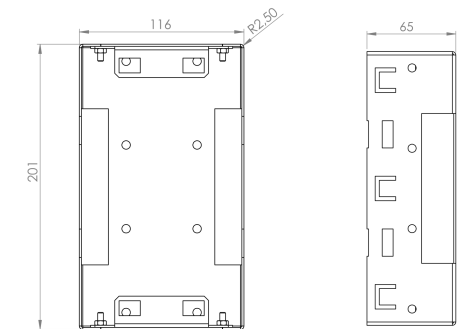


- 1-) Voltage:** Interra i7+ is powered by a 12 V - 2 A DC power supply. This power supply has a special green-coloured 3 pin connector which is a terminal block in industrial grade. Pin indications are written on the case.
- 2-) KNX:** Interra i7+ has a two-pin green coloured KNX connector. This connector has pin indications on the plastic box. Additionally, i7+ has a certified KNX circuit.
- 3-) HDMI:** For different application purposes, i7+ has an HDMI connector. Its output is configurable via special software.
- 4-) USB:** i7+ has a USB host connector on the side panel. This connection extends its storage capacity to almost infinity. Also, this connector can be used for Wi-Fi connection via USB dongle.
- 5-) Ethernet:** i7+ has a standard 10/100 Mbps RJ45 Ethernet connector.
- 6-) I/O:** i7+ has 3 inputs and 3 outputs connector. Both inputs and outputs are optocoupled. Outputs are connected to 12 V - 5 A relays.

### DIMENSIONS

The dimensions of the mounting box and device i7+ are shown below. All dimensions stated are in millimeters.

#### Mounting Box:



#### i7+ Touch:

