



ImproX IHT

Product Specification Catalogue

The **ImproX (IHT) Infrared Hand-held Transmitter** is an infrared transmitter as well as a passive keyring shape transponder Tag. The Transmitter is designed to work with the ImproX (IR) Infrared Receiver and with the ImproX range of access control Readers.

The Push-button is used to transmit the Tag Identity Code by low power infrared beam to the Infrared Receiver. This code is used by the Access Control System to identify the operator and provide entry or exit control.

The Infrared Hand-held Transmitter can also work as a passive, read only, 125 kHz Tag for use with the ImproX range of Readers. In this application, the Push-button is not used.

An internal 12 V alkaline Battery powers the Transmitter.

Key Features

- Small in physical size.
- Works as an infrared transmitter as well as a passive keyring shape transponder Tag.
- Low current consumption (power saving feature).
- High immunity to electrical noise.
- Compatible with the ImproX (IR) Infrared Receiver.
- Operates from its own power source (an internal 12 V alkaline Battery).
- Transmits its own identity.
- The Receiver interfaces to access control systems, for example, IXP120, IXP220 or IXP300 and IXP400.

ImproX (IHT)

Infrared Hand-held Transmitter

IVT902-1-0-GB-XX

Physical Specifications

Length	: 82 mm (3.22 in).
Width	: 35 mm (1.37 in).
Height	: 15 mm (0.59 in).
Approximate Weight	: 30 g (1.05 oz).
Housing Material	: ABS plastic.
Colour	: Light Grey.

Environmental Specifications

Operating Temperature	: -15°C to +70°C (+5°F to +158°F).
Storage Temperature	: -40°C to +80°C (-40°F to +176°F).
Humidity Range	: 0 to 95% relative humidity at +40°C (+104°F) non-condensing.

Approvals

CE Approval	: EN 301 489-1.
FCC Approval	: Approved.
Dust & Splash Resistance	: Designed to work in an environment similar to IP30. The Transmitter is, therefore, not sealed against water.
Drop Endurance	: 2 m (6.56 ft) drop (in packaging).

Electrical Specifications

Power

Internal Battery	: 12 V alkaline Battery (LR23A or MN21) style A23.
Battery Life	: Up to 5 000 activations.

Infrared Transmitter

Wavelength	: 940 nm.
Range	: 15 m (16.40 yd) outdoors line of sight.

Passive Tag

Frequency	: 125 kHz.
Range	: 25 to 50 mm (1 to 2 in).

User Interfaces

Status Indicator

Status LED	: Flashing Red LED. Flashes during the time that the Push-button is activated.
------------	--

Push-button

Push-button	: A single black Push-button.
-------------	-------------------------------



Related Information

For extra information relating to this product refer to the:

- ImproX IHT Instructions for Use (IVT301-0-0-GB-XX).

Ordering Information

Order the ImproX (IHT) Infrared Hand-held Transmitter using the following Part Number:

- IVT902-0-0-GB-XX: ImproX (IHT) Infrared Hand-held Transmitter.

Warranty Details

This product conforms to our Warranty details on www.impro.net.

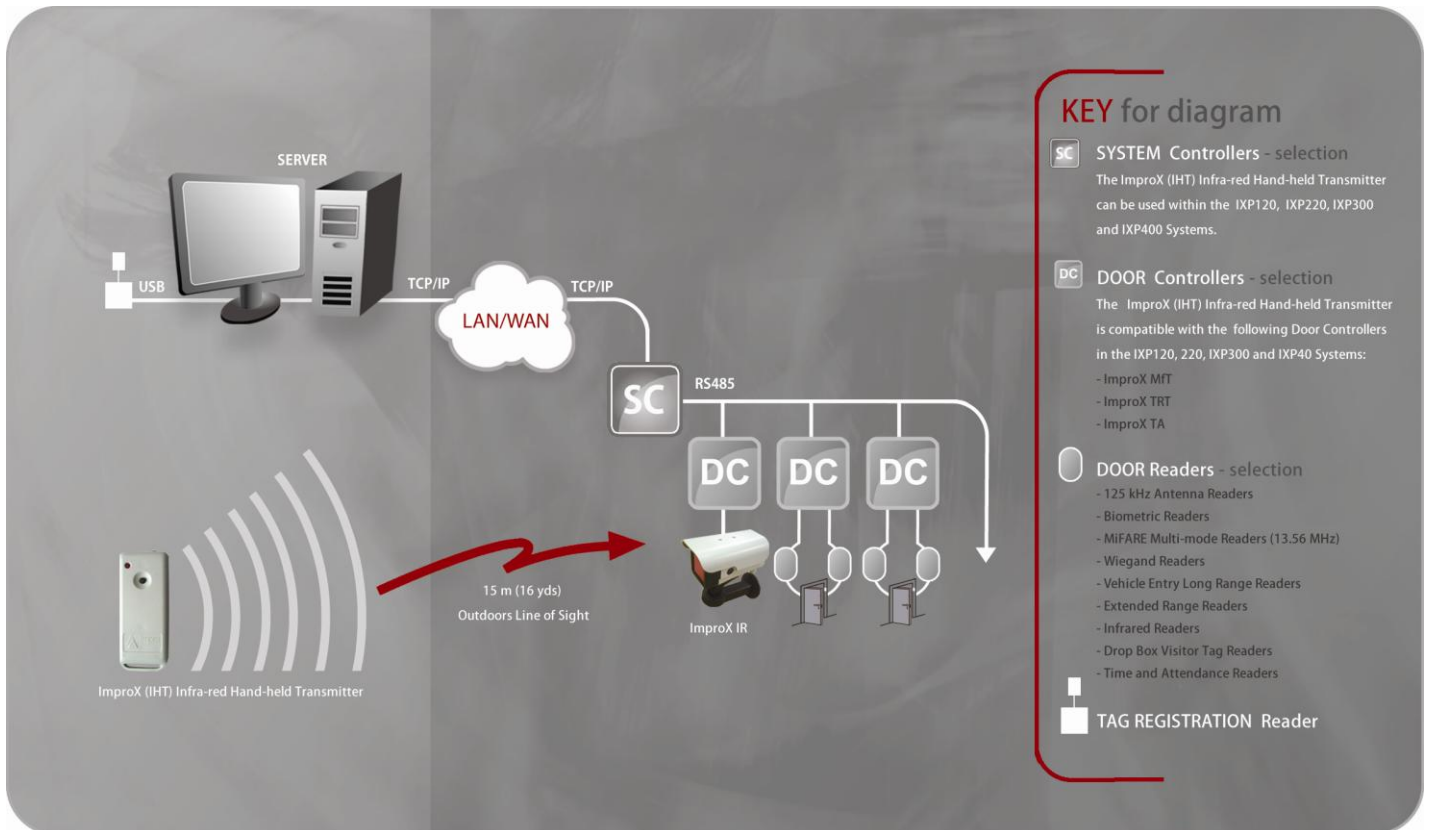


Figure 1: ImproX IHT Overview

This Product Specification Catalogue applies to the ImproX (IHT) Infrared Hand-held Transmitter, IVT902-1-0-GB-00.
(The last two digits of the Impro stock code point to the issue status of the document or product).

IVT351-0-0-GB-03

Issue 04

September 2009

ImproX IHT\Product Specification Catalogue\LATEST ISSUE\
ImprXIHT-psc-en-04.docx