



impro technologies®
ACCESS CONTROL

Impro (QR) QUAD RECEIVER

Product specification
CATALOGUE

The Impro (QR) Quad Receiver is a compact, lightweight, 4-Channel, 433.92MHz, RF Receiver - and part of the Impro Access Portal, IXP20, IXP220, IXP300 or IXP400, and Scan Range of access control system products.

The receiver is designed for use with the Access Portal (and Access Portal LITE) system's Wiegand Reader Module, the IXP220 Controller, IXP20 Controller, Impro (iTRT) Intelligent Twin Reader Terminal, the Impro (MfT) Multi-function Terminal and the Impro (TA) Time Attendance Terminal.

Entry-level customers should take note that the Quad Receiver also caters for small-scale private/commercial access control installations when used with the UniScan/FlexiScan Controllers.

The Quad Receiver accepts 433.92MHz transmissions (either OOK or FSK modulation schemes) from the Hand-held Impro Quad Transmitter (TRK900-1-1-GB-XX,)

RF Tag information is decoded within the Quad Receiver and then sent to the respective Terminal or Controller, for access control purposes.

Intended for indoor or outdoor use, the receiver's electronics are conformal coated and contained in a black, glass-filled Nylon housing.





Key Features

- Aids in vehicular traffic or domestic garage door or gate control
- Suitable for outdoor installation
- Diagnostic RSSI (Received Signal Strength Indicator) LEDs for trouble shooting.

Impro (QR) Quad Receiver

HRR900-0-1-GB-XX

Physical Specifications

Length	: 84 mm (3 in)
Width	: 114mm (5 in)
Height	: 34 mm (1 in)
Approximate Weight	: 100 g (3.5 oz)
Housing Material	: Glass Filled Nylon (PA6)
Colour	: Black

Environmental Specifications

Operating Temperature	: -25°C to +60°C (-13°F to +140°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	: PENDING
Dust & Splash Resistance	: The Impro Quad Receiver is designed to work in an indoor or outdoor environment similar to IP55. The Receiver is, therefore, resistant to water (refer to the section Mounting the Quad Receiver in the Installation Manual).
Drop Endurance	: 2 m (7 ft) drop (in packaging)

Electrical Specifications

Receiver	
Sensitivity	: -110 dBm
UHF Carrier	: 433.92 MHz
Modulation Type	: OOK and FSK
Antenna	
HRR900-0-1-GB-XX	: Integrated PCB Antenna
Power	
Input Voltage Range	: 11V to 15V DC (Polarity Sensitive)
Current	: 60mA
Power	: 0.7W
Serial Transmission	
Distance	: 150 m (164 yd)

Related Information

For extra information relating to this product refer to the:
Hardware Installation Manual (HRF300-0-0-GB-XX)

Ordering Information

Order the Impro (QR) Quad Receiver using the following Part Number:

HRR900-0-1-GB-XX

Warranty Details

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

Quad Receiver installed in different Impro Systems

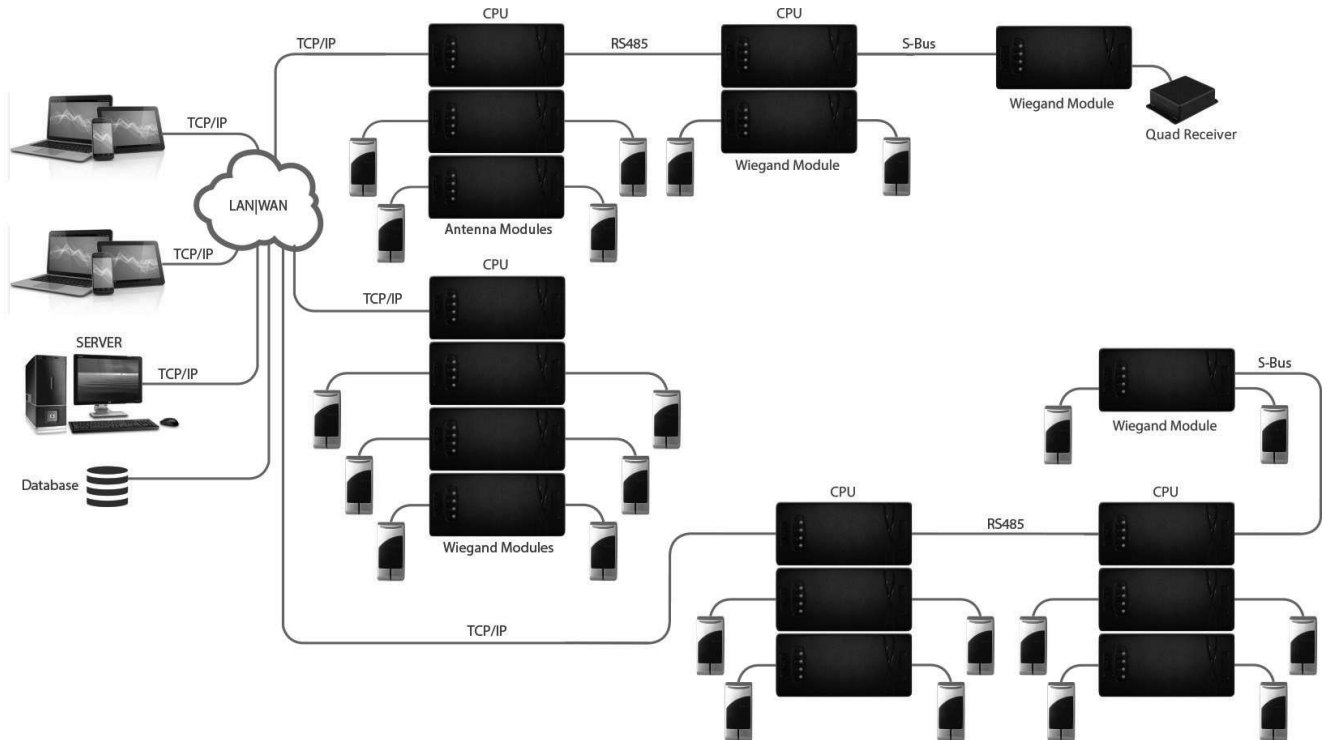


Figure 1: Impro (QR) Quad Receiver in an Access Portal Pro System

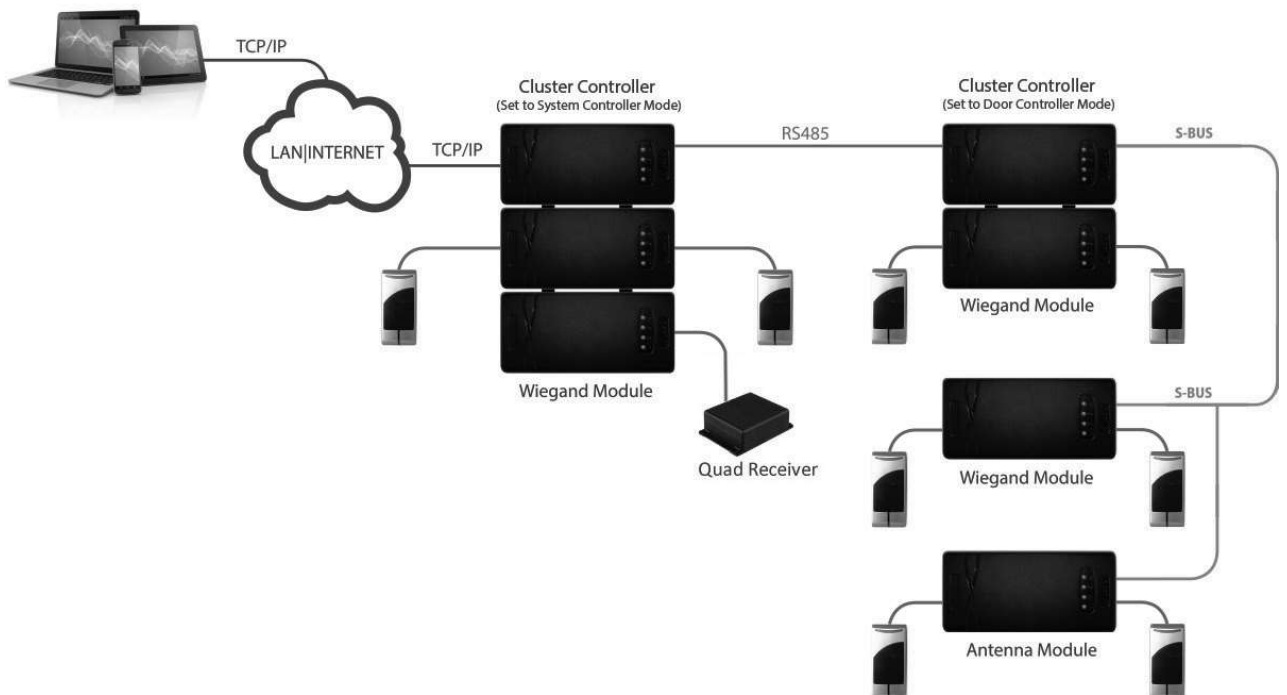


Figure 2: Impro (QR) Quad Receiver in an Access Portal LITE System

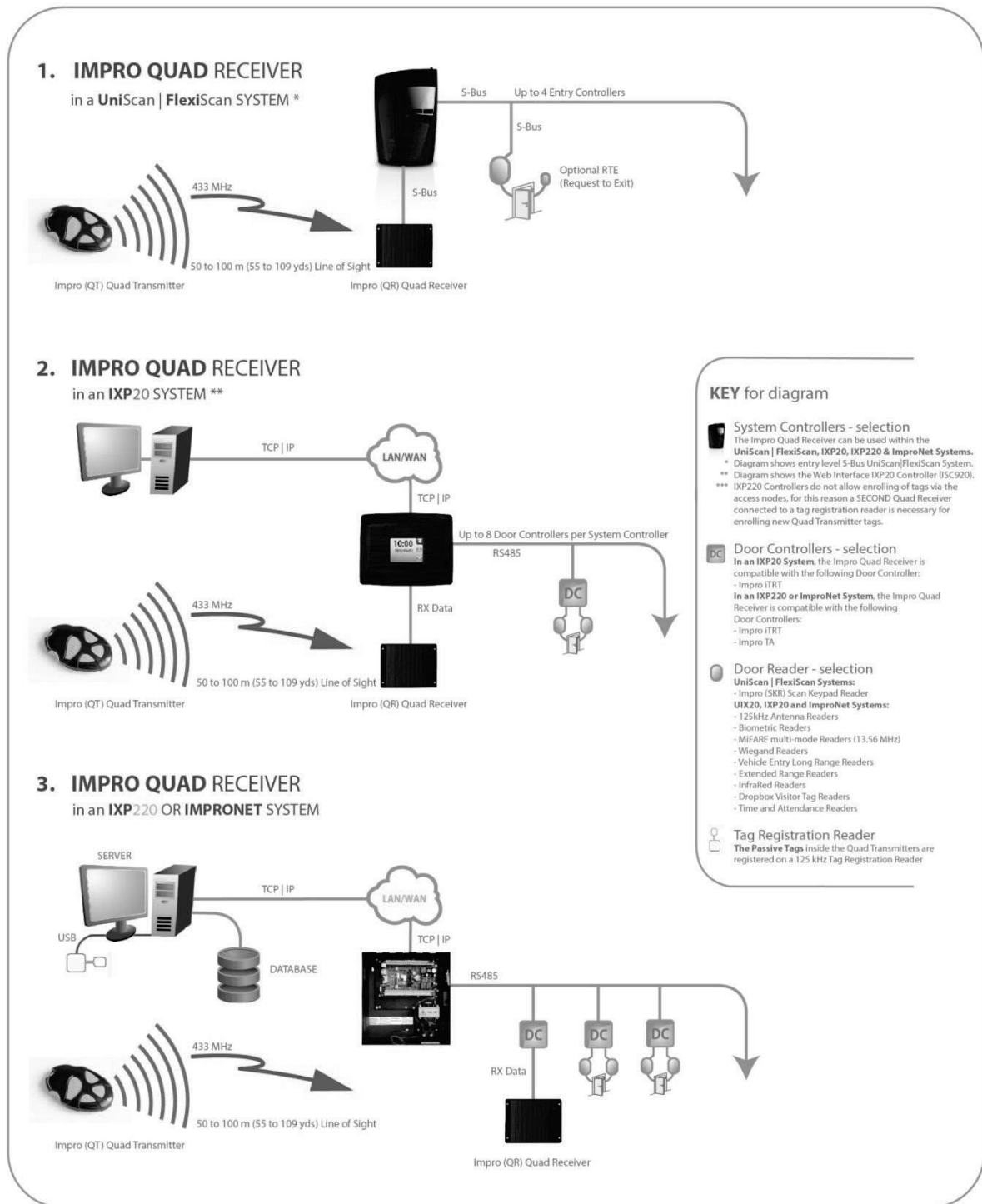


Figure 3: Impro (QR) Quad Receiver featured in the Scan Series, IXP20 and IXP220 systems

This Product Specification Catalogue applies to the Impro Quad Receiver models: HRR900-0-1-GB-XX and HRR901-0-1-GB-XX.
(The last two digits of the Impro stock code point to the issue status of the document or product).

HRR350-0-0-GB-02	Issue 03	December 2015	IMPRO\Impro QR\Product Specification Catalogue\LATEST ISSUE\QuadRec-psc-en-03.docx
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