

# Intelligo Max<sup>®</sup>

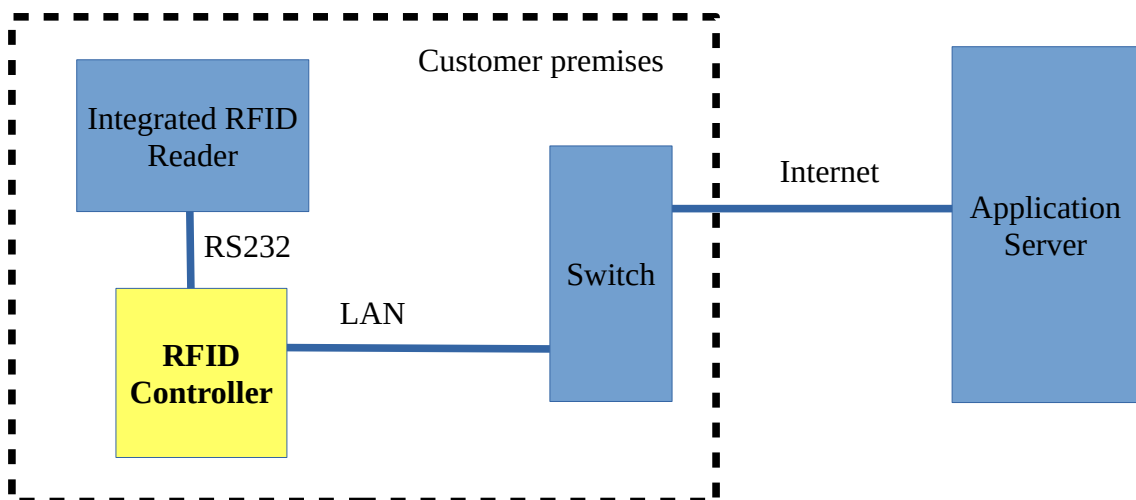
## RFID Controller Specification (Preview)

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Intelligo Max<sup>®</sup> RFID Controller is a compact computer unit that interfaces to integrated RFID readers (conforming to EPC C1G2 standard) and enables connecting them to the internet. It provides superior features compared to the direct LAN/RS232 interfaces typically found on RFID readers. At the same time, it is very low power (<4W), provides full flexibility for interfacing to the network and is robust and reliable.

### Features

- Autonomous control of the RFID reader
- Buffering and local storage of collected reader data
- Reliable transmission of reader data over internet to remote servers
- Remote management
- Possibility of intelligent algorithms to be run locally with lowest latency
- Compact (6cm x 9cm x 2cm)
- Low power (<2W typ), single 5V supply
- No moving parts (no fans or hard disks, fully solid state storage)
- Comes with embedded software pre-loaded
- Based on Broadcom 600MHz chipset, well supported and widely adopted platform
- Interfaces – LAN, USB, RS232 driver via USB, SD Card storage, HDMI, A/V



Note: Preview specifications are subject to change.

## **Software**

The Controller runs an embedded version of Linux and has the necessary interfacing software built-in to receive data from the Reader through the RS232 port (possibly through LAN optional), store it locally and pass it on to the Application Server through Internet. The reader would be in “Active” mode in which it sends out any and all data about RFID tags detected by it in range, in real time. It features auto detection of connection state to the Application Server. The data is stored locally on solid state storage (min 2GB) and is capable of buffering a minimum of 1 million records when the connection to Application Server is broken and then resumes sending once the connection comes up. The interface to the Application Server is command-response type and based on robust internet protocol standards. The software focuses on high performance processing in real time and is tuned for the RFID application requirements to be a plug-and-forget system.

## **Licensing**

The unit comes with all required software licensing included in the price and does not need any other setup. The software license is tied to the specific hardware unit in which it is embedded. In case of damage to the hardware, the software license may be transferred to another working unit for a nominal charge.

## **Disclaimer**

This kit is intended for use for integrating as a component into end systems and is not considered to be a finished end-product fit for general use. Persons handling it must have electronics training and observe good engineering practice standards. As such, the goods being provided are not intended to be complete in terms of required design and manufacturing-related protective considerations, including product safety and environmental measures on par with an end product. This product does not fall within the scope of the European Union directives regarding electromagnetic compatibility, restricted substances (RoHS), recycling (WEEE), FCC, CE or UL, and therefore may not meet the technical requirements of these directives or other related directives.

Preview specifications are subject to change due to continuous product improvements and modifications. Any pictorial representation are not final and only indicative. The final shipped product may differ marginally in color, shape, dimensions and markings.