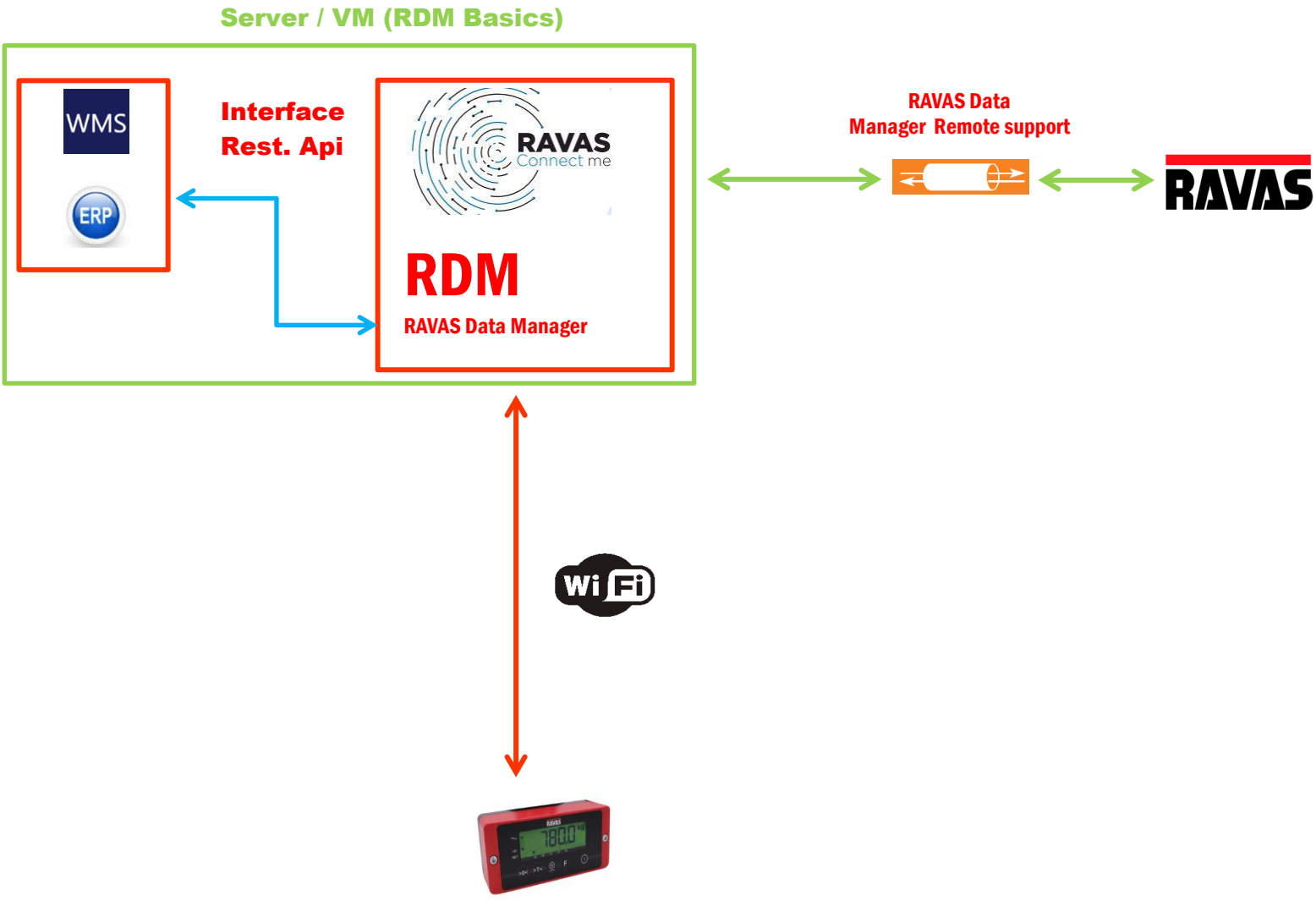
RAVAS Pick by Weight Guide

On-line weight check for each individual pick

Typical lay-out of a RAVAS mobile scale indicator connected by WLAN to the server



MAIN PURPOSE:

To reduce picking errors RAVAS has developed a weighing system to check each pick-by-weight by using an accurate database of the WMS containing the nominal weight per article (SKU).

Each order picking truck will have a RAVAS scale integrated with indicator including a WLAN module. This WLAN module will establish its own IP address. Communication via RAVAS Data Manager.

THE RAVAS 3200 INDICATOR:

TYPICAL (standard) ORDERPICKING WORKFLOW:

1. Order picker connects the order pick truck and the pick device (PDA, Scanner, Voice, etc.) by scanning or saying truck number.
2. Order picker puts an empty pallet or rack on the scale (tare weight)
3. Order picker arrives at picking location.
4. When truck is standing still, the operator confirms the location (or product): using a barcode scanner (or by voice):
   - The WMS initiates the command to tare the RAVAS indicator. (on every new location)
     - **See RDM Basics**
     - The indicator shows Net= 0,0 kg.
5. When the operator sees the scale has been tared, the operator puts the required goods onto the pallet.
6. When all goods for a single picking line have been picked, the operator gives a command to the system to read the actual weight: using a barcode scanner (or by voice).
   - The WMS initiates the command to 'take' the actual NET weight from the RAVAS indicator:
     - **See RDM Basics**
     - Indicator gives the net weight: XXXX.X kg
7. WMS must now compare the *actual weight* with the *theoretical weight* from the WMS' database:
   - *Theoretical* pcs weight * qty = *Actual* weight?
8. WMS must record all data and should make a total pick report (can be emailed to customer).

TYPICAL PRACTICAL ISSUES TO CONSIDER:

- error situation because of insufficient stock level
- break down of a pick using multiple pallets
- maximum allowed weight difference to ensure that the correct qty has been picked
- typical pcs weight tolerances during the year
- bigger tolerances to be used with filled bottles
- tolerances tables per product or product group
- master data need to be correct
- etc.