

# AdvanScan™

## Cloud-based RFID handheld reader



Watch a video of AdvanScan on [Youtube](#)

### Product overview

AdvanScan is an **RFID inventory and encoding system** based on an Android-based handheld reader and **direct upload of data to the cloud**.

AdvanScan obtains the inventory of products in a space with a **high read-rate** (typically above 98%), and uploads the inventory data to the cloud ([AdvanCloud](#)).

AdvanScan works with WiFi and avoids the need to use any local computer. It's **plug & play**.

AdvanScan improves many business processes:

- **Goods in:** verifying that the received products are correct against an ASN (Advance Shipping Notice)
- **Inventory**
- **Pick list:** items to take from the backroom to the sales floor
- **Discrepancies:** differences between the RFID inventory and the stock in the IT system of the retailer
- **Returns:** items to send back to the distribution centre or to another store

AdvanScan can be used for encoding RFID tags on its own or with an RFID printer, by combining it with AdvanPrint (RFID printer solution).

This illustration shows the available functions.



### Benefits:

- Increase of product availability
- Reduction of out-of-stocks
- Reduction of shrinkage
- Very easy to use: needs only 3 clicks to make an inventory and upload it to the cloud
- Plug and play
- No need of an external computer

### Applications:

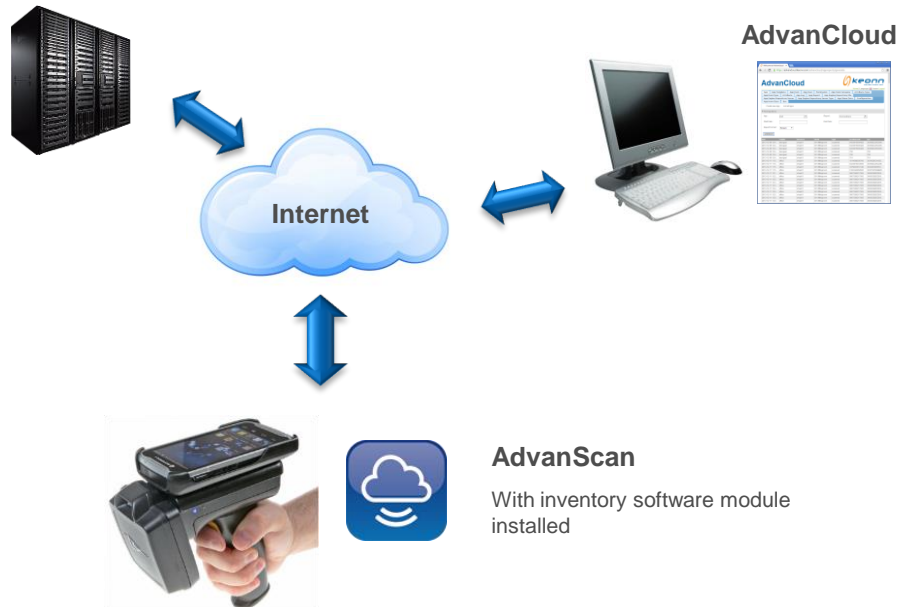
- Retail stores
- Libraries
- Hospitals
- Industries
- Warehouses

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### The process is as follows:

1. The user opens “SCloud” app on AdvanScan
2. The user clicks on “Create new inventory” or selects an unfinished inventory for continuing with it.
3. The user waves AdvanScan near the items and hears a “beep” sound while tags are being read
4. While AdvanScan is reading tags, it also downloads from the cloud descriptive information and images of the products, and shows them on the screen
5. When Inventory is finished, the user uploads the data to the cloud by clicking “upload to the cloud”

### AdvanCloud servers

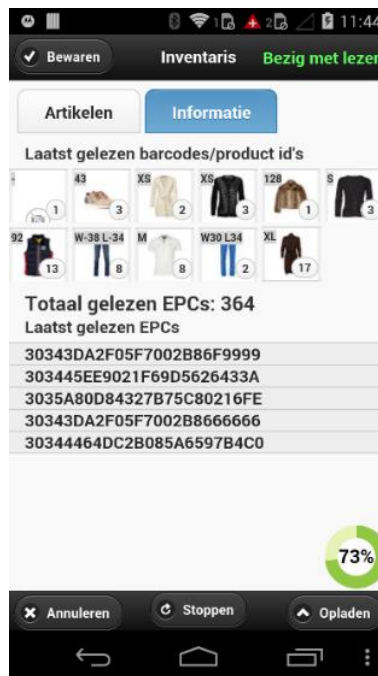
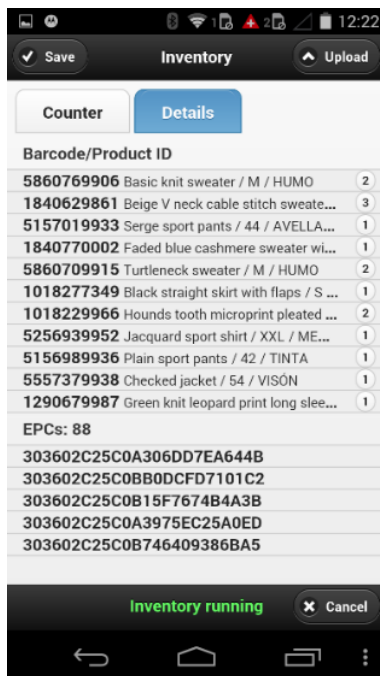




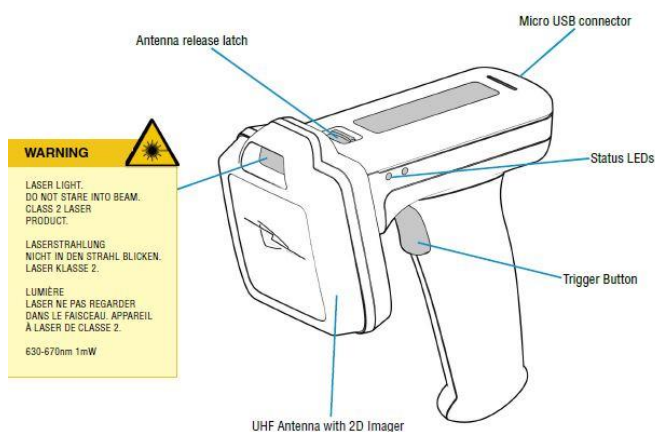
### Product features

AdvanScan is designed to read and write to EPC Class 1 Gen 2 (ISO 18000-6C) tags.

AdvanScan can make a **visual inventory**: product description and images of the read items can be shown on the screen. This allows the user to easily verify which products have been identified, accelerating processes and reducing errors.



### Mechanical specifications





### Specifications

Operating Frequency	865-868 MHz, 902- 928 MHz
Compatible host devices	Android
User indicators	Speaker, vibration motor, LED
Power supply	Removable, rechargeable 4.2 volt Lithium Polymer 2200 mAh battery pack, 8.4 watt hrs
Output Power	10mW to 800mW
Interface	Bluetooth
Transponder Protocol Standard	EPC Class1 Gen2
Nominal read range	Up to 4m / up to 13 ft.
Nominal write range	Up to 1.22 m / up to 4 ft.
RFID performance field	150-degree forward facing (approx.) measured from front of device
Antenna	Detachable, Circularly Polarized with optional 2D scanner
Barcode scanning imager	Motorola SE4500 2D imager
Sensor resolution	752 x 480 pixels
Barcode scanning field of view	Horizontal: 40°, Vertical: 25°
Temperature range	-20°C to +60°C
Dimensions	18.0 cm x 17.5 cm x 7.5 cm 7.1 in x 6.9 in x 2.9 in
Material Housing	Polycarbonate
Weight	580 g (1.28 lb)
Color	Black
General regulatory	Approved for use in the US, Canada, Europe, China, Singapore, Taiwan, Korea and Australia
Electrical Safety regulatory	Certified to UL60950-1, CSA C22.2 No. 60950-1, IEC 60950-1, EN 60950-1
EMI/RFI regulatory	USA: FCC Part 15 Canada: ICES 003 Class B EU: EN 301 489-3, EN 301 489-1, EN 301 489-17, EN 302-208, EN55022 Class B, EN55024
Laser Safety regulatory	IEC Class2/FDA Class II in accordance with IEC60825-1/EN60825-1, 21CFR1040.10

### Product codes for ordering

<b>ADSN-TSL-1128-M003</b>	-	<b>FF</b>	-	
				<b>FF = frequency bands</b>
		CN		920,5 Mhz – 924,5 Mhz
		EU		865,6 MHz - 867,6 MHz
		US		902,0 MHz - 928,0 Mhz

#### Examples:

- **ADSN-TSL-1128-M003-CN**
  - AdvanScan TSL type 1128 M003
  - 920,5 Mhz – 924,5 Mhz frequency band

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