CATALYST
A Li & Fung Company

# Catalyst RFID Handheld Scanner

## Benefits:

- Increased product availability
- Reduced out-of-stocks
- Reduced shrinkage
- Simple to use: only 3 clicks to make an inventory and upload it to the cloud
- Plug and play
- No need for any external computer or docking station

## Product features

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

It can also make a visual inventory: the 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.

## Process

1. The user opens our “SCloud” app on the smart phone display
2. The user clicks on “Create new inventory” or selects an unfinished inventory continue.
3. The user waves the reader close to the items – the reader beeps as it reads the tags.
4. While the scanner is reading tags it also downloads from the cloud descriptive information and images of the products and displays them on the screen
5. When the inventory is finished theuser uploads the data to the cloud by selecting “upload to the cloud”

## Product overview

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

Catalyst RFID Handheld Scanner 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).

Catalyst RFID Handheld Scanner can be used for encoding RFID tags on its own (without an RFID printer). It can also print and encode RFID soft tags by using it together with AdvanPrint (RFID printer solution).

Catalyst RFID Handheld Scanner works with WiFi and avoids the need to use any local computer. It’s plug & play.

| Features | |
|---|---|
| Operating Frequency | 865-868 MHz, 902-928 MHz |
| Compatible host devices | Android |
| User indicators | Speaker, vibrationmotor, LED |
| Power supply | Removable, rechargeable 4.2 volt Lithium<br>Polymer 2200 mAhbattery 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.)<br>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 |
| Barcodescanning field of view | Horizontal: 40°, Vertical: 25° |
| Temperature range | -20°Cto +60°C |
| Dimensions | 18.0 cm x 17.5 cm x 7.5 cm<br>7.1in 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.<br>60950-1, IEC 60950-1, EN 60950-1 |
| EMI/RFI regulatory | USA: FCC Part 15<br>Canada: ICES 003 Class B<br>EU: EN 301 489-3, EN 301 489-1, EN 301<br>489-17, EN 302-208, EN55022 Class B, EN55024 |
| Laser Safetyregulatory | IEC Class2/FDA Class II in accordance with IEC60825-1/EN60825-1, 21CFR1040.10 |