Technology Solutions for Retail

AdvanPay-170

RFID point-of-sale reader with hard tag detacher



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Benefits:

- Increases checkout speed at cash registers.
- Combines 2 processes (tag detaching and product identification).
- Automatic integration with most software applications through a keyboard wedge.
- Very well-defined read zone.
- Easy installation and supervision.
- For retailers:
- Shorter queues, thanks to a much faster checkout process.
- Better customer shopping experience, thanks to a shorter checkout time.

Applications

- Point of sale
- Event registration
- Document and product tracking
- RFID programming
- Labeled item verification

Products

AdvanPay-170 is a high-power RFID point-of-sale reader with a hard tag detacher that increases checkout speed at cash registers.

AdvanPay-170 combines **2 processes:**

1. Hard tag detaching
2. Product identification

AdvanPay-170 integrates:
- An antenna with a very small read zone
- A hard tag detacher
- A hardware keyboard wedge. No software needs to be installed on the POS.
- Features specifically designed to meet the needs of retail, library or other staff

AdvanPay-170 offers **3 operating modes**, which can be selected easily at any time:

- Payment mode (green light)
- Return mode (red light)
- Read-only mode (blue light)

The process is as follows:

1. The user places an item with a hard RFID tag on the AdvanPay-170.
2. AdvanPay-170 reads the RFID tag code, converts it to GTIN14, GTIN13 or GTIN12 and uses a keyboard wedge to enter the code automatically into the cash register software.
3. AdvanPay-170 writes to the RFID tag so that it is no longer counted as part of the inventory.
4. The user removes the hard tag with the magnetic detacher and drops the detached tag into a drawer.

Product features

AdvanPay-170 has a **very limited read area**, even with far-field RFID tags. It only reads tags located slightly above its surface, which prevents unwanted RFID tags from being read.

AdvanPay-170 includes a **hardware keyboard wedge** (micro USB Type-B connector) that allows very easy and fast integration with point-of-sale applications, without having to modify those applications.

The keyboard wedge is easily configured to send the keyboard codes required by each software application.

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Product features (cont.)

AdvanPay-170 is **standalone**. It only needs to be powered with the supplied **PoE injector** and connected to a computer with the supplied USB cable.

AdvanPay-170 **can optionally be connected to an Ethernet network switch**. This gives AdvanPay the advantages of an Ethernet device: remote control, centralized management, etc.

Thanks to its size and its mounting bracket, AdvanPay-170 is the perfect choice for many applications such as points of sale, **document tracking and RFID programming stations.**

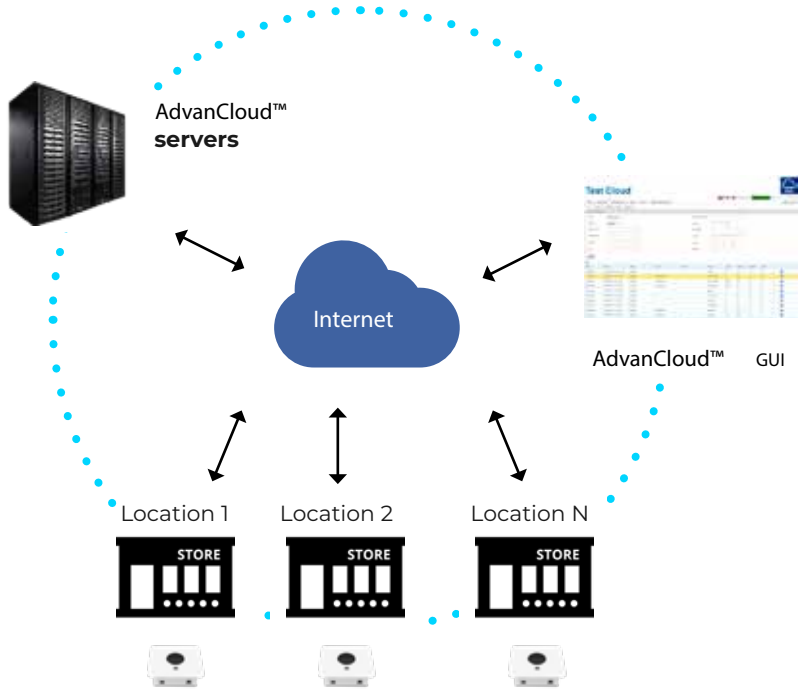
In retail stores, AdvanPay-170 reads the GTIN14, GTIN13 and GTIN12 codes of the products being purchased, while **deactivating the EAS flag** of those products for loss prevention.

AdvanPay-170 can be used together with AdvanSafe or AdvanMat to provide a **complete loss prevention system fully based on UHF RFID**. AdvanPay is available in white or black, depending on customer needs.

Connection to AdvanCloud

AdvanPay can optionally be connected to the AdvanCloud cloud-based software platform. The EPC codes of the RFID tags read are sent to AdvanCloud. This information can be analyzed for business intelligence purposes:

- Products sold
- Products returned
- Cross-selling
- ...



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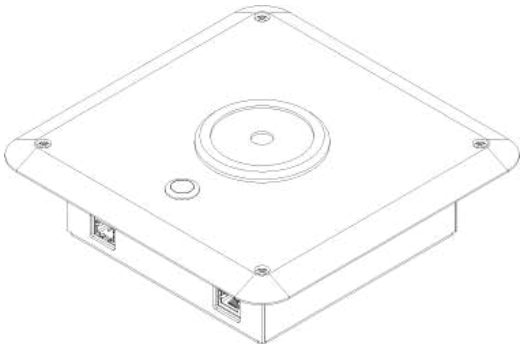


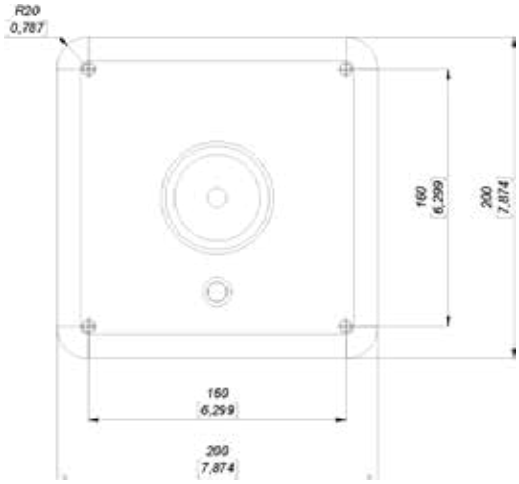
Radio Frequency Specifications

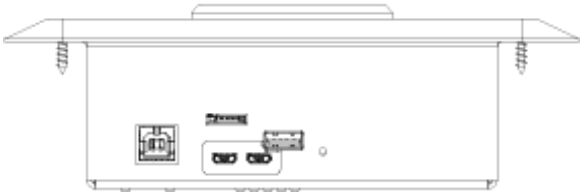
Air protocol interface	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Frequency	FCC (NA, SA) (917.4 to 927.2) MHz ETSI (EU) (865.6 to 867.6) MHz TRAI (India) (865 to 867) MHz KCC (Korea) (917 to 923.5) MHz MIC (Japan) (916.9 to 923.4) MHz ACMA (AU) (920 to 926) MHz NZ (New Zealand) (922 to 927) MHz SRRC-MII (P.R. China) (920.125 to 924.875) MHz Brazil (917.4 to 927.2) MHz using channel selection Chile (917.4 to 927.2) MHz using channel selection Peru (917.4 to 927.2) MHz using channel selection Taiwan (922.600 to 927.2) MHz using channel selection Open region (859 to 873) MHz and (915 to 930) MHz (using channel selection)
RF power	Programmable from 0 dBm to +27 dBm in 0.5 dBm steps
Antenna	Integrated circular polarized near-field antenna. RF fields are limited to avoid reading unwanted tags
Maximum tag read distance	< 30 cm
Magnet strength	11,000 gauss
Data communication	Ethernet: IEEE 802.3 up to 100 Mbps; USB HID to emulate a barcode reader
Power supply	Power over Ethernet (PoE): - Compliant with IEEE 802.3af (Type I) and IEEE 802.3at (Type II) - Power class: Class 3 Built-in battery for the RTC chip
On-board actuators	Buzzer
LED indicators	Three LEDs indicate the active operating mode: Payment mode (green) Return mode (red) Read-only mode (blue) When the LED blinks, the reader is reading
Output	2-watt output for an 8-ohm speaker
Software compatibility	Easily integrates with any application software through the keyboard wedge
Power consumption	Idle consumption < 2.5 W Default consumption (@10 dBm) < 4 W Maximum consumption (@27 dBm) < 7 W
Temperature	-20 °C to +50 °C
Dimensions (flush mount)	200 x 200 x 63 mm (7.87 x 7.87 x 2.48 in)
Dimensions (tabletop mount)	200 x 200 x 78 mm (7.87 x 7.87 x 3.07 in)
Weight (flush mount)	1.2 kg (2.31 lb)
Weight (tabletop mount)	1.6 kg (3.45 lb)

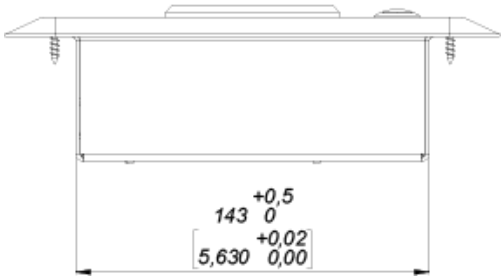
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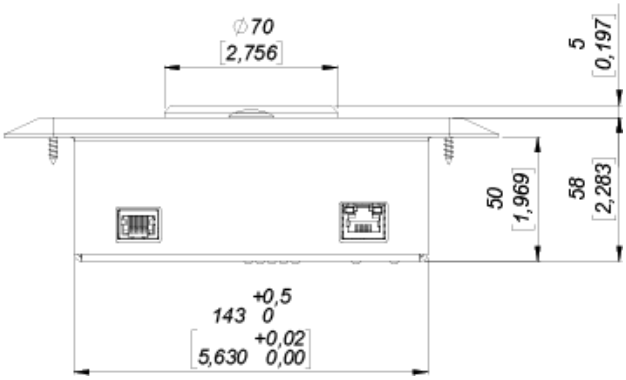
Mechanical Specifications (in mm)











Units in millimeters [inches]

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Product Ordering Codes

ADPY	-	C	M	-	FF	-	mmm	
								C = **confined**
		C						Confined read zone
								M = **mounting**
			F					Flush table mount
								FF = **frequency band**
					EU			865,6 MHz - 867,6 MHz
					US			902,0 MHz - 928,0 Mhz
								Model
							170	model number

Examples:

ADPY-CF-EU-170:

- AdvanPay
- Confined
- Flush table mount
- Frequency band: 865.6 MHz - 867.6 MHz
- Model 170

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