keonn RFID Systems

AdvanGo ™

Self-checkout RFID modular system

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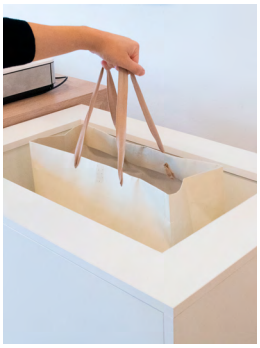


Video

Benefits:

- Controlled reading area
- Easy integration with most software applications
- Easy installation and monitoring
- For retailers:
  - Queues reduction, thanks to a much faster payment process
  - Improved customer shopping experience, derived from a shorter payment time
  - Reduction in employee costs

Applications:

- Self checkout stations

Product overview

Hardly anything disturbs customers as much as waiting at the cash registers, and that is why self-service checkouts are increasingly gaining acceptance.

AdvanGo is an **RFID-based modular solution** that identifies faster and with higher reliability all the products a customer wants to buy. This **accelerates the payment process** and **reduces queues**, which improves the customer shopping experience and increases sales.

AdvanGo has a **special on-board software** for confining the reading area, which avoids reading unwanted RFID tags.

AdvanGo can be used together with AdvanSafe, AdvanMat or AdvanGate to provide a **complete loss prevention** system fully based on RFID UHF.

AdvanGo is a modular solution. It can be used for different types of self checkout:

- Wall mount
- Desktop
- Bag well fixture (optionally provided by Keonn)
- Basket

AdvanGo comprises:

- High power RFID reader
- Antennas
- RF cables
- Power supply
- Specific on-board software
- AdvanCloud platform (optional)

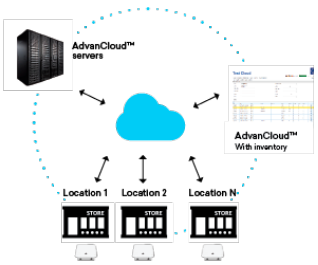
The RF hardware can be **easily assembled** to a fixture by non-skilled operators. An engineer is needed only to connect the readers to the network, check the system and connect the on-board software drivers to the application software used by the retailer.

Connection to AdvanCloud

AdvanGo can be optionally connected to AdvanCloud cloud-based software platform. The EPC codes of read RFID are reported to AdvanCloud, which gives full traceability at item level.

This information can then be analyzed for business intelligence purposes:

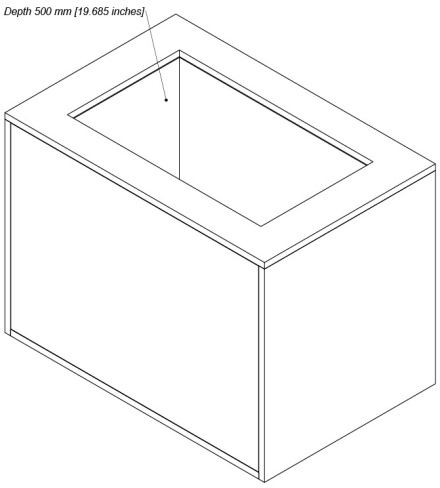
- Products sold
- Products returned
- Cross-selling
- ...

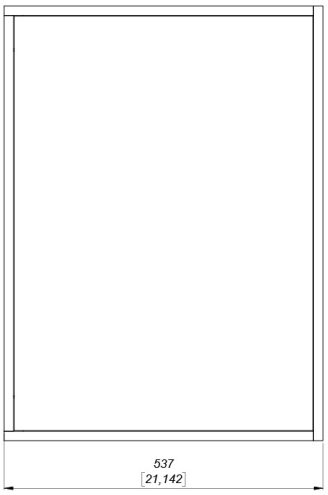


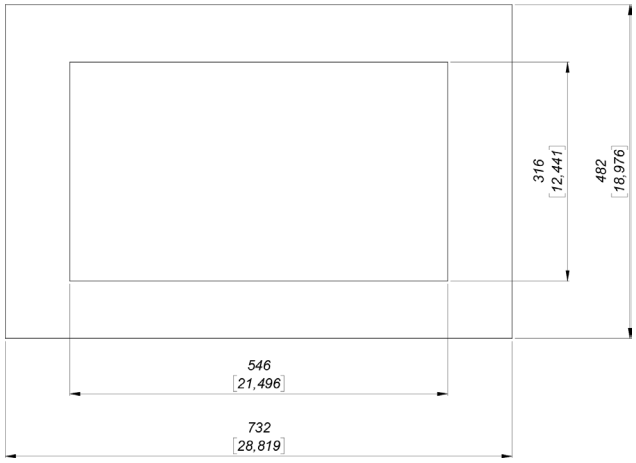
Technical specifications

Operating Frequency EU Version	865 - 868 MHz (ETSI EN 302 208) Multiple countries are supported
Operating Frequency US Version	902 - 928 MHz (FCC part 15) Multiple countries are supported
Materials	Can be used on metallic and non-metallic fixtures, of any color and size
Read rate	Typically above 99,5 %
Number of antennas	Depens on the typr of self checkout station
Reader transmitted power	max. 31,5 W
Communications	Ethernet, USB HID Optional: WiFi , 3G
Transponder Protocol Standard	ISO 18000 - 6 C EPC Class1 Gen2
Drivers	Java
Integration	REST API, HTTP, MQTT, CSV, SQL, USB HID, CSV

Mechanical specifications (when supplied with bag well fixture)







Units in millimeters and [inches]

Product codes for ordering

ADGO	-	FMW	-	R	-	A	-	FF	-	mmm	
											FMW = bag well fixture
		FMW									with bag well
		-									without bag well
											R = reader
				160							AdvanReader-160
				70							AdvanReader-70
											A = Number of antennas and model
						4P11					4 Advantenna-P11
						4SP11					4 Advantenna-SP11
						2P11					2 Advantenna-P11
						2SP11					2 Advantenna-SP11
											FF = Frequency Band
								EU			865,6 MHz - 867,6 MHz
								US			902,0 MHz - 928,0 Mhz
											mmm = serie
										100	Model number

Examples:

ADGO-160-4P11-EU-100:

- AdvanGo
- AdvanReader-**160**
- **4** Advantenna-**P11**
- Frequency band: 865,6 MHz - 867,6 MHz
- Model **100**

ADGO-70-2P11-US-100:

- AdvanGo
- AdvanReader-**70**
- **2** Advantenna-**SP11**
- Frequency band: 902,0 MHz - 928,0 Mhz
- Model **100**

ADGO-FWM-70-2SP11-EU-100:

- AdvanGo
- **Bag well fixture**
- AdvanReader-**70**
- **2** Advantenna-**SP11**
- Frequency band: 865,6 MHz - 867,6 MHz
- Model **100**

Information in this publication supersedes all earlier versions. Specifications subject to change without notice.

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