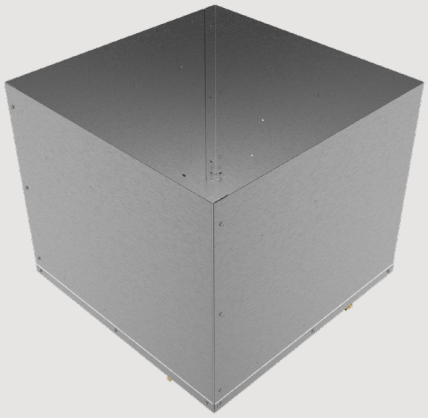
keonn Retail RFID Systems

AdvanGo-200 ™

Modular RFID self-checkout system

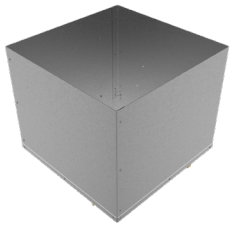


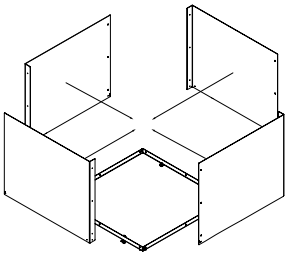
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Barcelona
London
Los Angeles

AdvanGo-200 ™
Modular RFID self-checkout system





Benefits:

- Controlled reading area
- Easy integration with most software applications
- Easy installation and monitoring
- Accommodates different dimensions of the inner well
- High performance in multi-reader environments
- 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
  - Improved "IKEA" design that signficantly reduces transportation costs and adds a lot of flexibility for the customer needs
  - First in class antenna design for self checkout systems

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-200 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-200 uses a **confinement cage and RFID antennas** with a special radiation diagram that maximize the detection of RFID tags inside the bag well while avoiding cross-reads and stray RFID tags. AdvanGo-200 achieves this high level of performance even when other RFID systems are active nearby.

AdvanGo-200 can be used together with AdvanSafe, AdvanMat or AdvanGate to provide a **complete payment and loss-prevention** system fully based on RFID UHF technology.

AdvanGo-200 is fully modular: it is shipped in pieces that are easily mounted by non-skilled workers at destination with a basic training. This minimizes shipping costs and makes the self checkout solution much more competitive in price.

AdvanGo-200 accommodates different sizes of the inner well within a certain range. As a result, it adapts to the needs of multiple retailers without having to customize the self checkout RFID hardware.

AdvanGo-200 can be shipped assembled or unassembled to reduce shipping costs.

AdvanGo-200 comes in 2 models (with 2 antennas and with 4 antennas) and can be supplied in 2 ways:

Electronics only



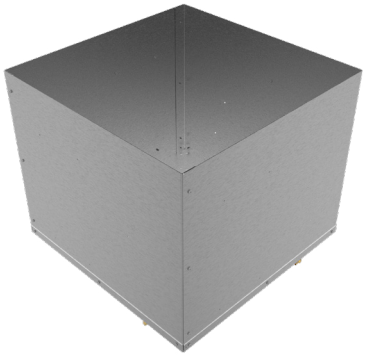
Electronics + confinement cage

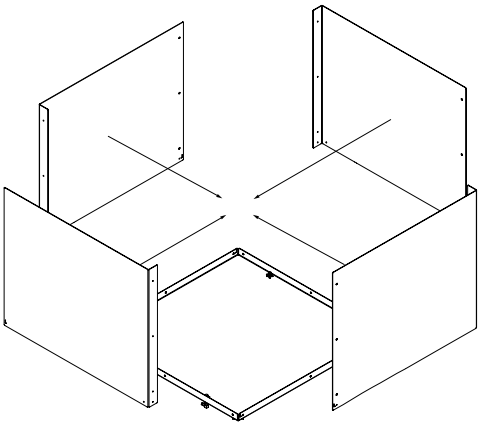


AdvanGo-200 comprises:

- High fidelity RFID reader
- Optimized antennas
- RF cables
- AdvanNet on-board software
- AdvanCloud platform (optional)
- Confinement cage

AdvanGo-200 ™
Modular RFID self-checkout system



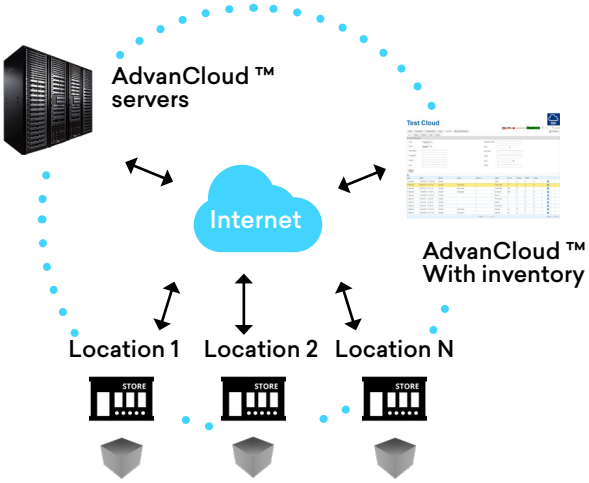


Connection to AdvanCloud

AdvanGo-200 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
- ...



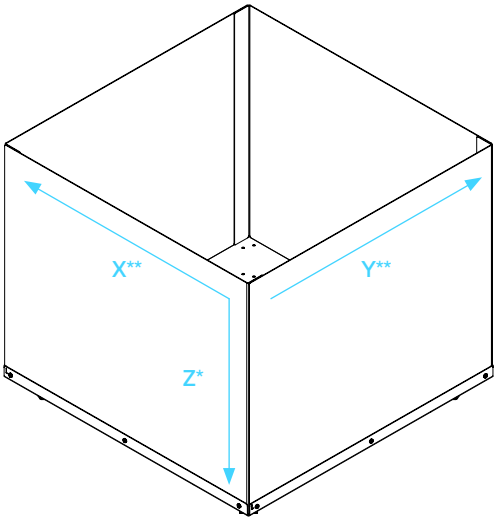
Technical specifications

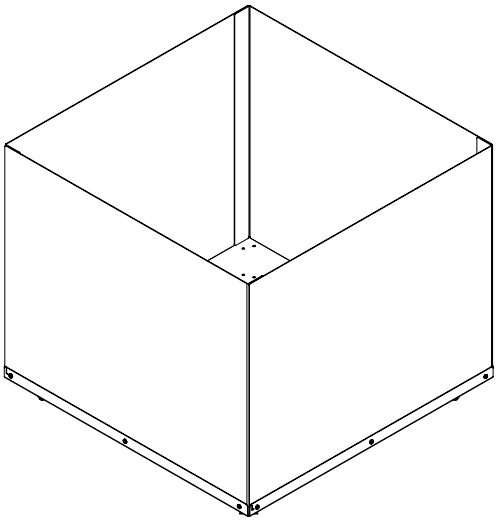
Operating Frequency LB Version	865 - 868 MHz (ETSI EN 302 208) Multiple countries are supported
Operating Frequency UB Version	902 - 928 MHz (FCC part 15) Multiple countries are supported
Radiated power	Max 2 W ERP, 3.2 W EIRP
Read rate	Typically above 99,5 %
Number of antennas	Depends on the type of self-checkout station
Communication interface	Ethernet and USB
Transponder Protocol Standard	ISO 18000 - 6 C EPC Class1 Gen2/Gen2x
Integration	REST API, HTTP, MQTT, CSV, SQL, USB HID, CSV
Energy Consumption	< 14 W max., < 3 W idle
Power supply	Power over Ethernet
Human exposure	EN 50364, EN 62311
EMC	EN 301 489
Air Interface (EU)	EN 302 208
Temperature range	Operating temperature: -20 °C to +45 °C Storage temperature: - 30 °C to +70 °C
Inner well	Must use plastic, wood or non or non-metallic resins. Check inner well recommendations.
Dimensions with confinement cage and RFID electronics	484 mm x 484 mm x 436 mm (19 in x 19 in x 17,15 in)
Weight with confinement cage and RFID electronics	4,5 kg

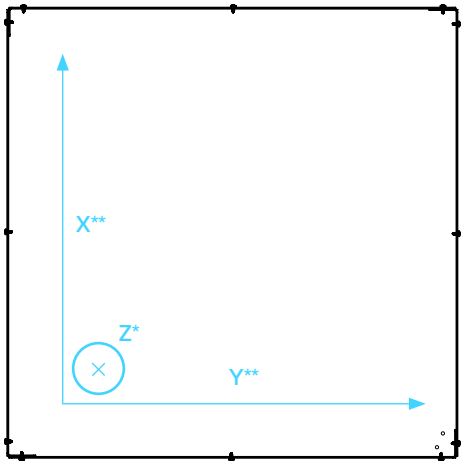
Inner well recommendations

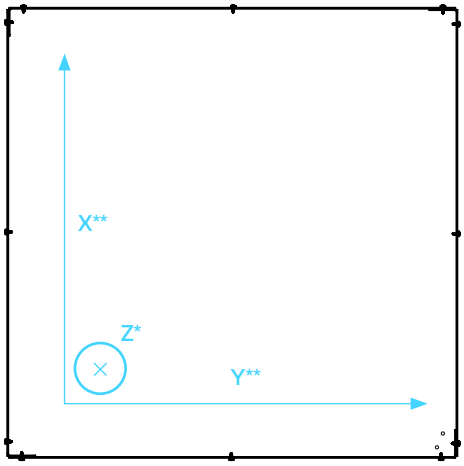
		X (cm)**	Y (cm)**	Z (cm)*
4 antenna	min size	35	35	24
	max size **(best performance)**	40	40	35
2 antenna	min size	30	35	24
	max size **(best performance)**	40	40	35

*Z is measured from the top of the confinement metallic cage
**X and Y dimensions are considering that the inner well is centered.

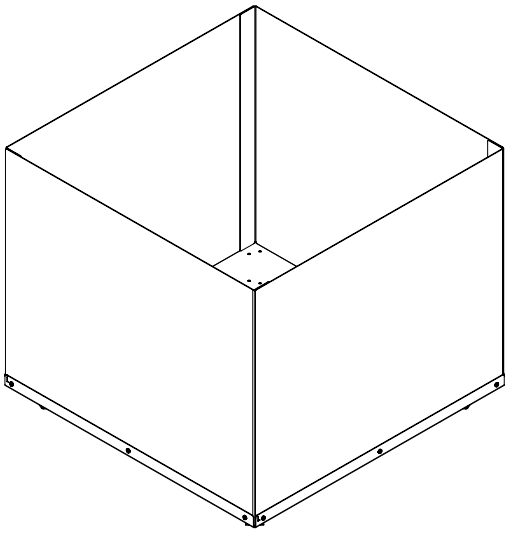


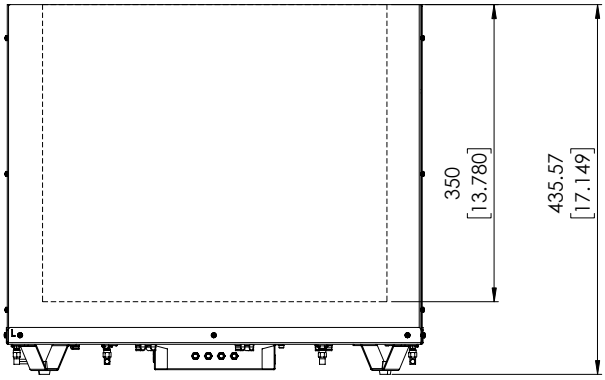


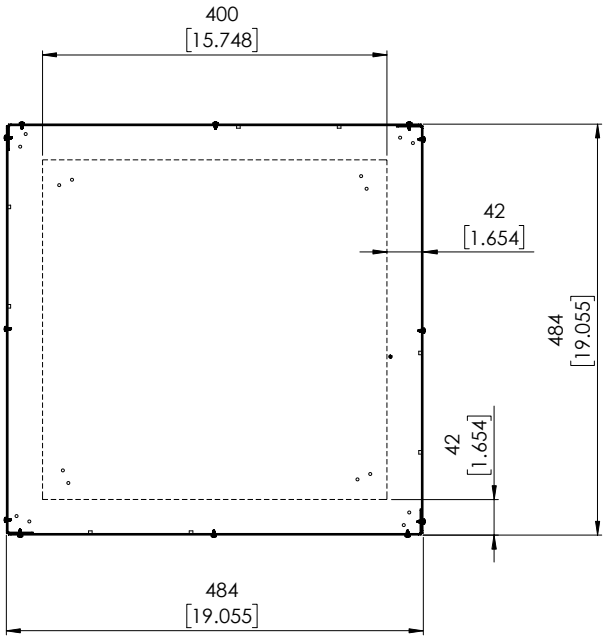




Mechanical specifications (Confinement cage and RFID electronics)







Units in millimeters and [inches]

Product codes for ordering

ADGO	-	F	-	A	-	FF	-	mmm	
									F = furniture
		-							RFID electronics
		IMC							Internal metallic case & RFID electronics
									A = number of antennas and model
				4P12					4 Antennas
				2P12					2 Antennas
									FF = frequency band
						LB			865,6 MHz - 867,6 MHz
						UB			902,0 MHz - 928,0 Mhz
									mmm = serie
								200	Model number

Examples:

ADGO-IMC-4P12-LB-200:

- AdvanGo
- **Internal metallic case and RFID electronics**
- **4** antennas
- Frequency band: 865,6 MHz - 867,6 MHz
- Model **200**

ADGO-IMC-2P12-UB-200:

- AdvanGo
- **Internal metallic case and RFID electronics**
- **2** antennas
- Frequency band: 902,0 MHz - 928,0 Mhz
- Model **200**



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