

AdvanFlow™

High performance transition portal

AdvanFlow™ system track in real-time the inventory by reading UHF-RFID tags attached to products



Many retailers use handheld RFID readers for taking periodic stock counts and keeping a high stock accuracy. However, between stock counts, the retailer may lose visibility of the real stock in the stock room and in the sales floor.

AdvanFlow family of products are RFID-based transition portals that allow the retailer to keep full control of the stock in real time. In this way, the retailer replenishes or restocks items when needed, which improves the customer shopping experience and increases sales.

AdvanFlow is placed in the space between the stockroom and the storefront, and detects the tagged items being moved from back to front and vice versa.

Direction detection is either entered manually through a touchscreen (AdvanFlow-100) or done automatically (AdvanFlow-200) without the need of any external sensors. Detected items are uploaded directly to AdvanCloud or are sent to 3rd party IT systems.

AdvanFlow is specially designed for areas with tagged items in close proximity.

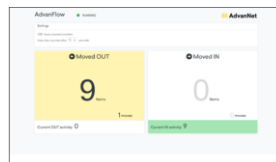
AdvanFlow-100 comprises:

- RFID reading point
- 10-inch touch screen
- AdvanCloud software

The screen is used to validate the detected products and to define direction of movement.

AdvanFlow-200 comprises:

- High power RFID reader
- Two reading columns. This expands the active reading area and helps detecting direction of movement
- Optional: **AdvanCloud** software
- Optional: Monitor page and screen that visually shows the items read by each antenna and the inferred direction of movement



AdvanFlow does not need any external computer. It works fully autonomously and generates Move events. When operating with Keonn's AdvanCloud, the Move events are transformed into automatic stock movements.

Benefits:

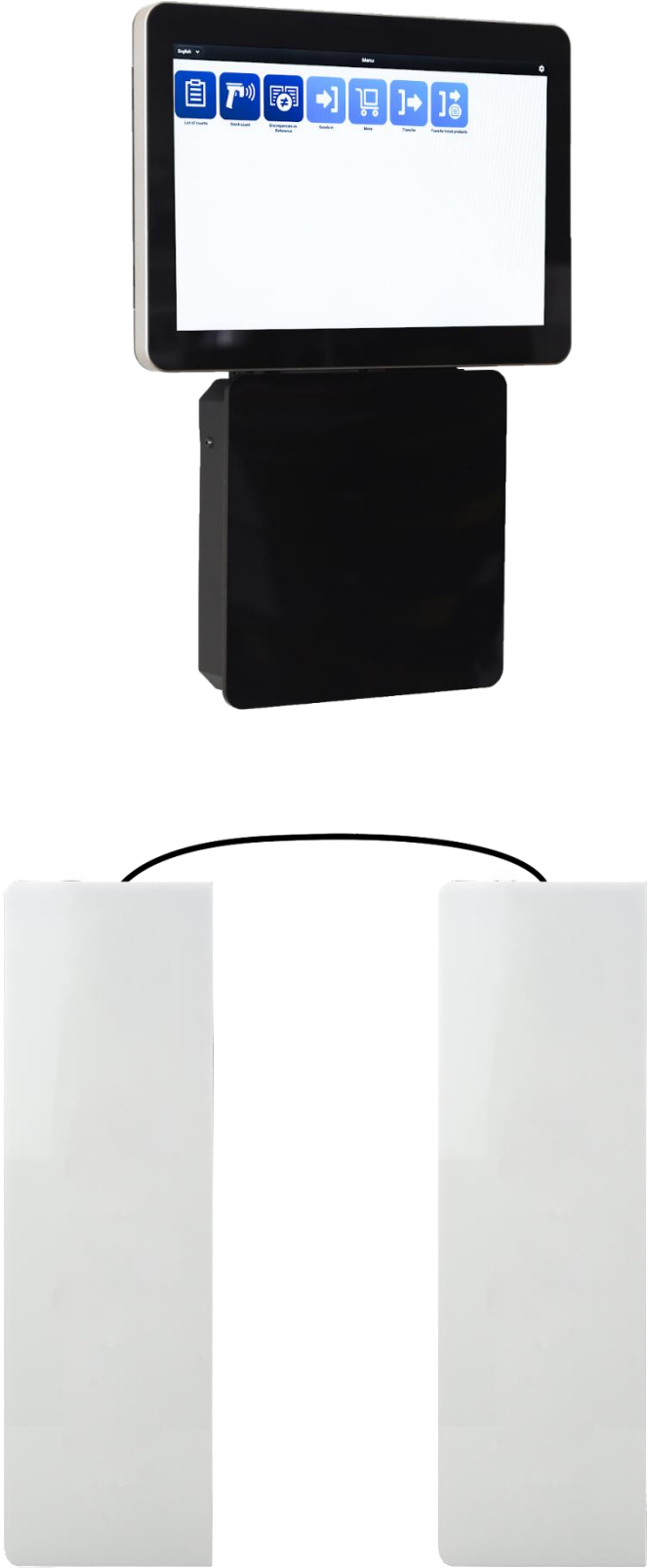
- Sales increase in retail stores by keeping full control of the stock in real time
- Works fully autonomously
- Generates automatic stock movements

Applications:

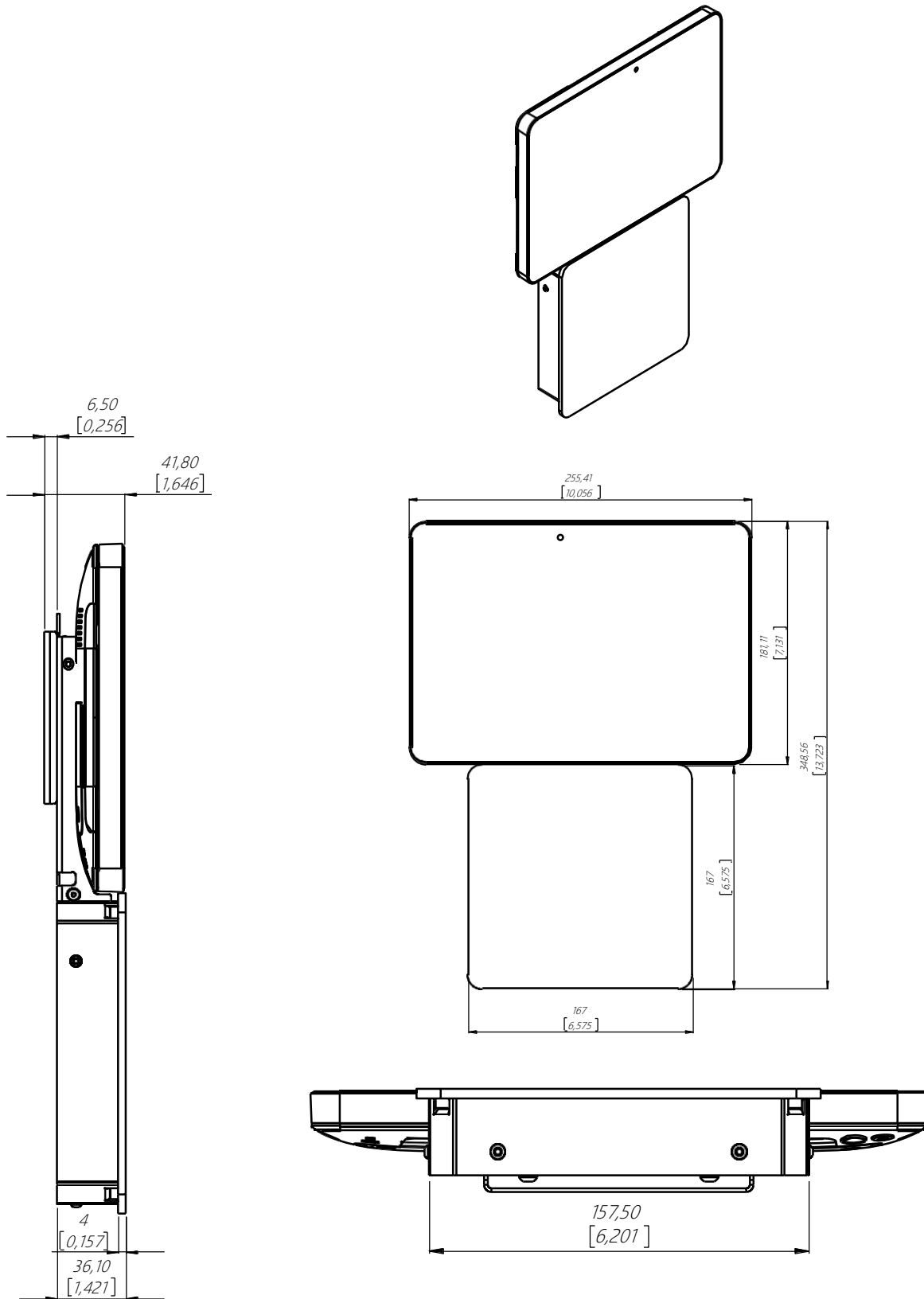
- Tracking movement of goods inside stores: from stock room to store front, between stock rooms, between floors, ...
- Tracking goods entering and exiting the fitting room area

AdvanFlow™

System design

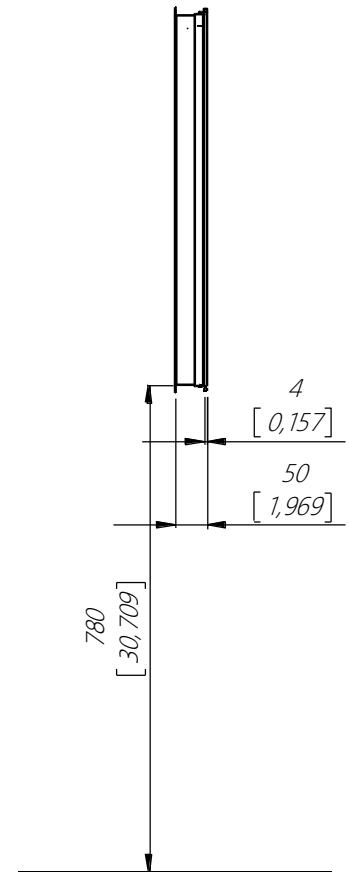
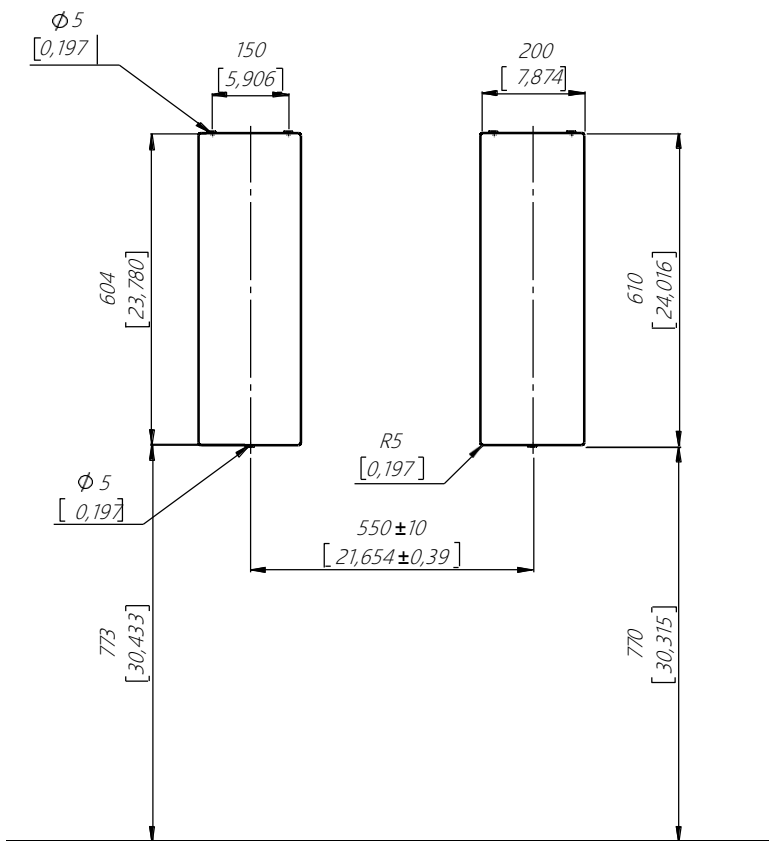
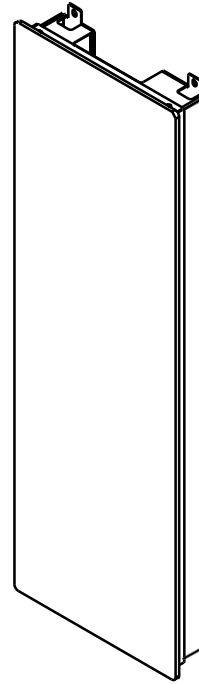


System dimensions



Units in millimeters and [inches]

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Specifications

Technical specs

Operating Frequency	FCC (NA, SA) (902 - 928) MHz ETSI (EU, IN) (865.6 - 867.6) MHz
Beam width	40° / 70°
Polarization	Circular
Power supply	Power over Ethernet
Energy consumption	<14W max, <3W idle
Reader Power	Dry contact output 24 VDC / 0.5 A / Resistive load
Interface	Ethernet and USB
Transponder Protocol Standard	EPC Class1 Gen2
Energy Consumption	<14 W max., <3 W idle
Reader Power	Maximum 31,5 dBm Recommended max. 30 dBm
Interface	Ethernet and USB
Transponder Protocol Standard	EPC Class1 Gen2
Operating System	Linux - Fully open
Temperature Range	-20 °C to +40 °C
Dimensions	604mm x 150mm x 50mm(left) 610mm x 200mm x 50mm (right)
Weight	Primary 2235g Secondary 1955g
Human exposure	EN 50364
EMC	EN 301 489, EN 300 220
Air Interface	EN 302 208 v1.2

Product reference

SKU	UHF-RFID-AFW-N
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