keonn Retail RFID Systems

AdvanTrack-700™

Real-time inventory and location system with guide function



Keonn Technologies S.L.U.

Tel: +34 931 814 477
info@keonn.com

Barcelona
London
Los Angeles

AdvanTrack-700 ™

Real-time inventory & location system





Video

Benefits:

- Persistent, accurate, and automated inventory
- Real-time location of items
- Guide a person to the location of an item
- Reduction of stock-outs
- Shrinkage reduction
- Higher control of assets

Applications:

- Retail stores
- Hospitals
- Low height warehouses
- Asset tracking in offices/labs

Product overview

AdvanTrack-700 is an overhead RFID-based system that provides real-time inventory and location of all tagged items in a given space. Examples of such spaces are retail stores, small warehouses, hospital areas, etc.

AdvanTrack-700 achieves very high read rate and provides the location of each RFID tag with an accuracy of 1-2 metres.

Each unit covers an area between 20 m² and 60 m² depending on the tag density.

AdvanTrack-700 embeds an additional sensor that can track smartphones in real time with an accuracy of 50 cm. This sensor allows to guide a person to a specific location, for instance, the location of an item in a retail store.

AdvanTrack-700 is very easy and inexpensive to install: it is powered by Power over Ethernet and requires no RF cables.

By providing real time inventory, AdvanTrack-700 allows retailers to increase on shelf availability, sales and customer satisfaction as well as to reduce time and workload of inventory cycle counts. This leads to more satisfied customers and more productive employees.

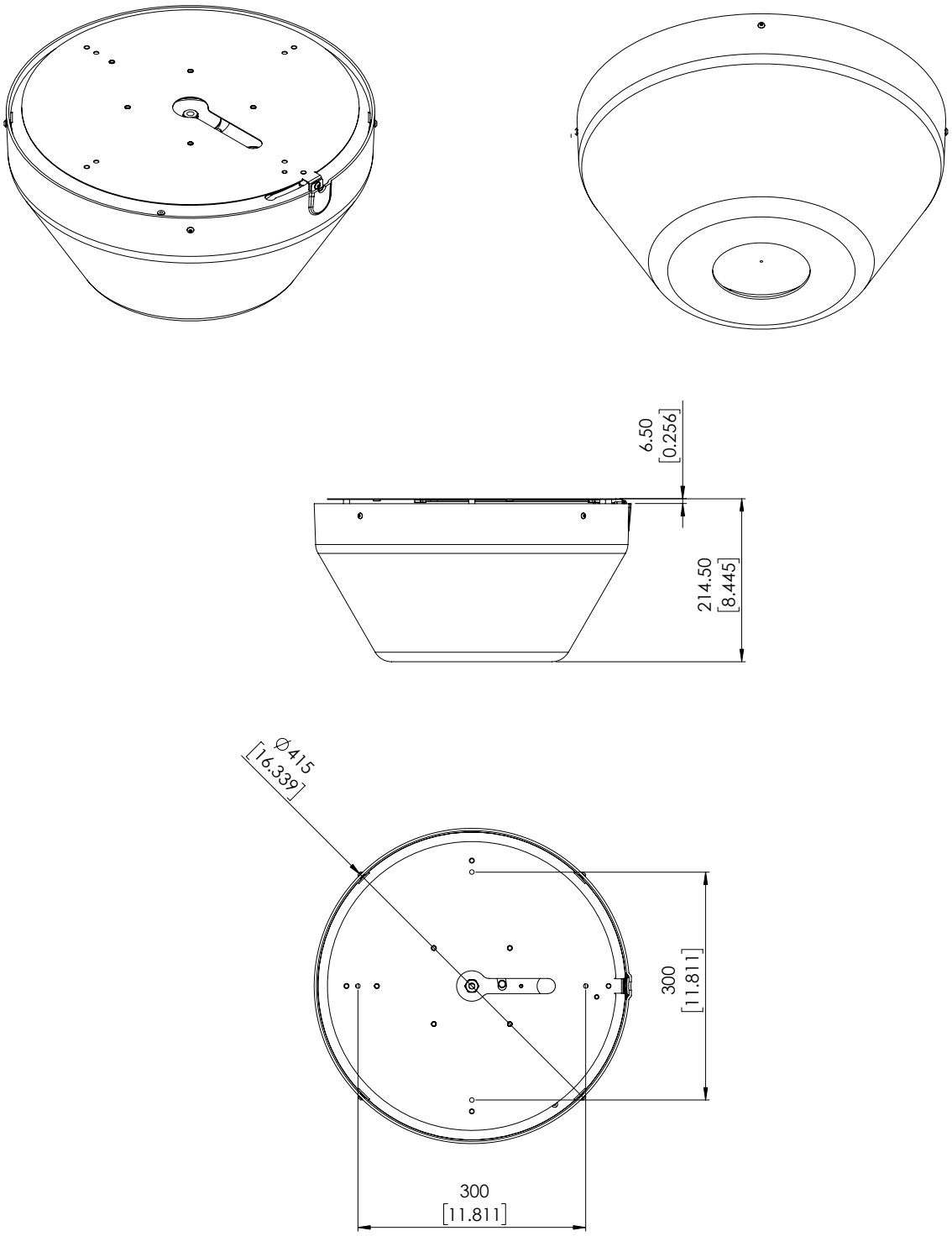




Technical specifications

Operating Frequency	865 - 928 MHz depending on region or country Malaysia region (UB model): 919 - 923 MHz
RF Power output	Up to 31.5 dBm conducted power Conducted power may need to be reduced to meet regulatory limits
Standard Compliance	EPC Class1 Gen2 UHF (ISO 18000-6C)
Data interface	RJ45 (10/100 Base-T Ethernet)
Power supply	PoE 802.3at Type 1 or Type 2 (same cable as data interface cable)
Temperature range	0°C to +40°C
Power consumption	Idle consumption < 3 W Max consumption (@31.5 dBm) < 14 W
Power supply	Power Over Ethernet (PoE): IEEE 802.3af and 802.3at (Type I & Type II) Power consumption: Class 3 The PSE equipment must supply up to 15.4 W
Data communications	Ethernet: IEEE 802.3 up to 100 Mbps Ethernet over USB (USB mini Type-B connector) (maintenance connection)
LED indicators	LED status (RGB LED)
Temperature	Operating temperature: 0 °C to +40 °C Storage temperature: -10 °C to +60 °C
Dimensions	415mm x 214.5mm
Weight	5 kg 11 lb
Module	M7e-TERA

Mechanical specifications



Units in millimeters and [inches]

Product codes for ordering

ADTR	-	M	-	FF	-	mmm	
							M = model
		SP11-DP-2					SP11-DP-2
							FF = frequency band
				LB			Lower Band (865,6 MHz - 867,6 MHz)
				UB			Upper Band (902,0 MHz - 928,0 Mhz)
							mmm = series
						700	Model 700

Examples:

ADTR-SP11-DP-2-LB-700:

- AdvanTrack
- SP11-DP-2
- LB - Lower frequency band
- Model 700

ADTR-SP11-DP-2-UB-700:

- AdvanTrack
- SP11-DP-2
- UB - Upper frequency band
- Model 700

Copyright © Keonn Technologies S.L.U.
All rights reserved.

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

Keonn Technologies S.L.U.

Tel: +34 931 814 477
info@keonn.com

Barcelona
London
Los Angeles