Technology Solutions for Retail

AdvanTrack-600™

Real-time location and inventory system



AdvanTrack-600 is an RFID-based overhead system that provides real-time inventory and location of every tagged item in a given space. Examples of such spaces are retail stores, small warehouses, hospital areas, etc.

AdvanTrack-600 achieves a very high read rate and locates each RFID tag with an accuracy of 1-2 meters. Each unit covers an area of 20 m^2 to 60 m^2, depending on tag density.

AdvanTrack-600 is very easy and inexpensive to install: it is powered over Ethernet and requires no RF cables.

By providing real-time inventory, AdvanTrack-600 lets retailers increase on-shelf availability, sales and customer satisfaction, while reducing the time and workload of cycle counts. The result is happier customers and more productive employees.

GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
www.glretail.us

Benefits:

- Persistent, accurate and automated inventory
- Real-time item location
- Fewer stockouts
- Reduced shrinkage
- Greater control over assets



Applications:

- Retail stores
- Hospitals
- Low-ceiling warehouses
- Asset tracking in offices/laboratories

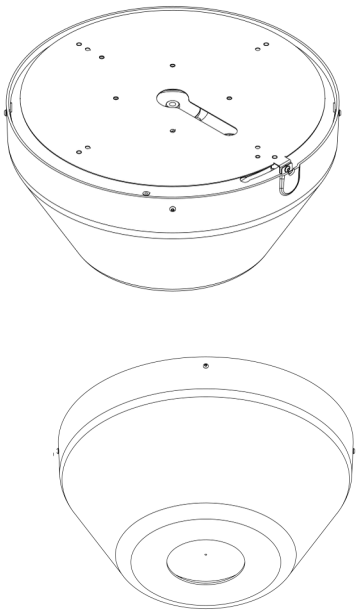
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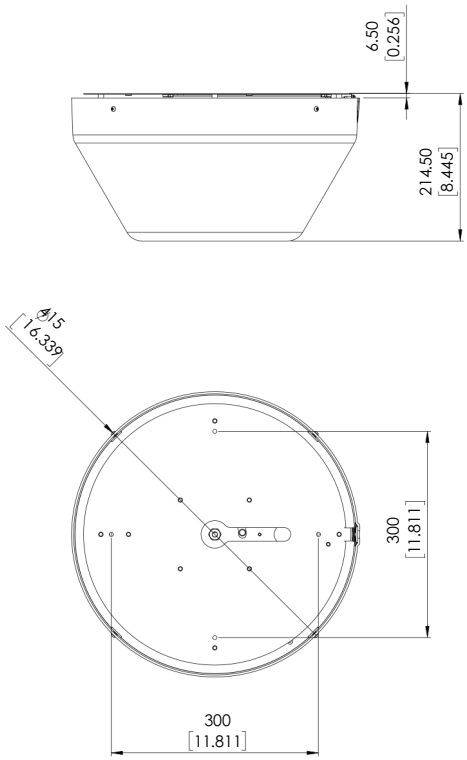
Technical specifications

Operating frequency	865 - 928 MHz depending on region or country
RF power output	Up to 31.5 dBm conducted power Power may need to be reduced to meet local regulations.
Standards compliance	EPC Class 1 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 the data interface)
Temperature range	0°C to +40°C
Power consumption	Idle consumption < 3 W; maximum consumption (@31.5 dBm) < 14 W
Power supply	Power over Ethernet (PoE): IEEE 802.3af and IEEE 802.3at (Type I and Type II) Power consumption: Class 3 PSE equipment must supply up to 15.4 W
Data communications	Ethernet: IEEE 802.3 up to 100 Mbps Ethernet over USB (USB mini-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]

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