



Purchase Code: 500.553

AcuTag UHF Bap Card

Semiactive label with battery, compatible with the UHF EPC Gen2 protocol and long reading distance, ideal for tracking valuable assets and environments with too many obstacles.

• Resources

With high performance and low price, the AcuTag UHF Bap Card offers superior performance, thanks to its slim and durable battery, avoiding the necessity of collecting energy from the RF reader, which diminishes reading range of common passive RFID labels. This battery is only used in the time of reading, staying in standby mode while it doesn't receive the RF signal. When the battery runs out, it works as a passive tag. The AcuTag UHF Bap Card is ideal for companies seeking high performance in active tags for a price comparable to passive tags.

• Advantages

- Reduced size for a semiactive tag, has a very sleek battery, allowing dimensions very close to a passive tag;
- Even when the battery stops working, the tag still works with the performance of a passive tag.

• Dimensions [mm]



• Technical Specifications

Electrical specifications

Technology	UHF
Type	Semiactive
RF Protocol	EPCglobal Class 1, Gen 2 ISO 18000-6C
Operating frequency	860 - 960 MHz
Chip RFID	EM4324 V2
Memory configuration	64 bit TID 96 bit EPC 720 bit user memory
Reading distance*	Up to 10 m
Applications	Personal identification; Asset identification; Vehicle identification

Operating specifications

Applied surfaces	Non metallic
Encasing	Shiny white PVC
Weight	8 g
Dimensions	85 x 54 x 1,5 mm
Operating temperature	-20°C to +60°C
Protection grade	IP68
Hole	No
Lifetime**	2 years

* The reading distance depends on the reader and used antenna, and also from the operating environment.

** Battery life estimate for the following scenario:
Temperature variation: +15 to +30°C
RF exposition time: 1 hour/day