

GMP: BAP-RFID Labels

The GMP BAP-RFID (Battery Assisted, Passive RFID) Labels provides significant advantages on read distances and reliability, as compared with standard RFID labels, by incorporating an independent power source within the label.

BAP-RFID labels utilise internal battery/energy to wake up the chip which then backscatter a signal to be picked up by the reader. Passive labels which are reliant on gathering sufficient energy to 'wake up' the label's chip may not harvest enough energy due to interference caused by material adjacent to the tag.

The tags are compliant with EPCglobal Class 1, Generation 2 and ISO 18000-6U

People-BAP-RFID Label: Credit card format label which has been optimised for carrying by people.

Since the human has a high liquid content the tag has been specifically designed and optimised to ensure high read rates even in when worn on clothing.

Dimensions: 85 x 45 x 1.5mm; Double-Sided PVC Coating.



Protocol	EPCglobal Class 1, Gen 2 ISO 18000-6C	Antenna	Planar printed antenna
Memory	96-bit EPC memory 720-bit on-chip user memory 64-bit tag unique identifier	Life expectancy	2 years (at room temperature)
Power source	Integrated proprietary disposable battery	Environmental	Operating temperature: -20° C to +60° C Humidity: 5%-95% non-condensing

Logistics-BAP-RFID Label: Thin and flexible label designed for logistics environments.

Ideal for tracking containers carrying material, tracking pallets and alike.

Dimensions: 85 x 45 x 0.9mm



Protocol	EPCglobal Class 1, Gen 2 ISO 18000-6C	Antenna	Planar printed antenna
Memory	96-bit EPC memory 720-bit on-chip user memory 64-bit tag unique identifier	Life expectancy	2 years (at room temperature)
Power source	Integrated proprietary disposable battery	Environmental	Operating temperature: -20° C to +60° C Humidity: 5%-95% non-condensing

MetalTrack-BAP-RFID Label: Designed to track goods containing or made of Metal.

IP67 Rating, ruggedized tags with 5 years lifetime.

Dimensions: 150 x 69 x 8.6mm



Protocol	EPCglobal Class 1, Gen 2 ISO 18000-6C
Memory	96-bit EPC memory 720-bit on-chip user memory 64-bit tag unique identifier
Antenna	Planar printed antenna
Life expectancy	5 years (at room temperature)
Environmental	Operating temperature: -20° C to +60° C Humidity: 5%-95% non-condensing
Environmental rating	IP67