



MGI Laundry Tag

MGILT001

Specification

Electrical Specification

Air Interface Protocol	EPC Class1 Gen2, ISO18000-6C
Device Type	Passive UHF Transponder
Operational Frequency	865 ~ 928MHz
IC Type	Ucode 7m, EPC: 128bits, TID: 96bits, User Memory: 0bits, Monza R6: EPC: 96bits, TID: 96bits, User Memory: 0bits.
Data Retention	10 years
Polarization	Line Polarization
Function	100% Tested

Mechanical Specification

Dimensions	(Lx Hx W) 70x15x1mm / 2.756x0.59x0.0394 inch
Tag Material	Fabric
Weight	0.70g
Deliver format	Single
Color	White

Environmental Resistance

Store Temperature	-40°C~ +120°C / -40°F~ +248°F
Operating Temperature	Ironer: 180°C @ 15 sec, 200 cycles
	Dryer: 85°C @120min, 200 cycles 120°C @ 60 min, 200 cycles 150°C @ 20min, 200 cycles
Pressure Resistance	Up to 56 bars
Wash Cycle	200 Wash Cycles or 3 Years from Shipping Date (whichever comes first)
Chemical Resistance	All Common Chemicals in the Washing Processes

Personalization Options

Customized Size of Tag

Customized Chip of Tag

Customized Frequency

RF Performance

Fixed Reader	(Installed in a dry towel) Above 3m (4W EIRP)
	(Installed in single and multi-layer wet towels) Above 1.2m (4W EIRP)
Handheld Reader (Using Alien 9001 handheld reader)	(Installed in a dry towel) Above 2m (4W EIRP)
	(Installed in single and multi-layer wet towels) Above 0.8m (4W EIRP)
Polarization Mode	Linear polarization
Function and Consistency Testing	100% functional testing and consistency testing through Finnish Voyantic

Application Image



Application

Linens Management
Uniform Management
Hospital Laundry Management
Hotel Laundry Management
Industrial Textile Management

Overview

Fabric laundry tag is especially suitable for clothing and linen industrial washing, which can withstand 180 degrees high temperature ironing, 56 bar pressure resistance, and industrial washing resistance for more than 200 times.

100% function tested by Voyantic Performance Tester.

100% EPC and User memory checked.