



OR-Hydra-7015

Powered by RFID, one of the most widely used automatic identification (Auto-ID) technologies, laundry tags feature a unique ID embedded in a new-generation RFID chip and support high-speed bulk reading, serving as the ultimate solution for seamless textile management. No more missing inventory, mix-ups, or time-consuming manual counts — simply scan and know exactly where each item is at all times. Durable, discreet, and easy to integrate into your workflow, these RFID laundry tags streamline operations and grant total control over textile assets.

INSTALLATION METHODS

SEWING



Directly stitched into garments or linen.

HEAT SEAL



Applied using industrial heat press equipment.

POCKET INSTALLATION



Inserted into dedicated textile pockets.

Ordering info

Part Number	IC Type	EPC Memory	USER Memory	Delivery Format
OR-hydra-7015-M8	Impinj M8	128bits		Dry/Wet/ Label
OR-hydra-7015-U8	Ucode8	128 bits		Dry/Wet/ Label

Technical Specifications

Item	Specification
Frequency	860–960 MHz
RFID Protocol	EPC Class 1 Gen2v2
Standard	ISO/IEC 18000-63
Chip	IMPINJ M8/ NXP ucode 8
EPC Memory	96–128bits
User Memory	According to chip
TID Memory	According to chip
Read Range	Up to 12 m (reader dependent)
IC Retention	50 Years
Write Cycles	100,000

Physical Specifications

Item	Specification
Tag Size	70 x 15 mm
Antenna Size	68 x 15 mm
Face Material	Thermal Paper / PP / PET
Adhesive	Permanent Acrylic
Liner	Glassine Paper
Thickness	1.45 mm on chip
Color	White
Printing	Thermal Transfer / Direct Thermal

Environmental Characteristics

Item	Value
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	5–95% RH
IP Rating	Indoor Label

Durability Features

Lifespan	200 washing cycles or 3 years,
Washing Method	Laundry, Dry cleaning
Water Extraction Pressure	60 bars
Chemical Resistance	Detergent, Softener,
Washing Temperature	90°C (194°F) / 15 minutes
Pre-drying in Tumble	180°C (356°F) / 30 minutes
Ironing Temperature	185°C (365°F) / 10 seconds
Sterilization Temperature	135°C (275°F) / 20 minutes

Packaging



100 Pcs/ Pkt

DISCLAIMER

All specifications are indicative and results may vary. Each user bears full responsibility for making its own determination as to the suitability of orange RFID products, materials, services, recommendations, or advice for its own particular use.

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