

OR-4518

The Tag from orange rfid as a versatile, high-performance tag designed for a wide range of applications. It delivers reliable reading performance across supply chain management, inventory control, logistics, retail and apparel.

The label size 45 x18 mm and performance make it especially well-suited for retail application.

ASSET TRACKING	INVENTORY MANAGEMENT	SUPPLY CHAIN & LOGISTICS	RETAIL & APPAREL	MANUFACTURING
- Track high-value assets - Reduce loss and theft - Improve asset utilization	- Real-time stock visibility - Fast cycle counting - Reduce manual errors	- End-to-end visibility - Track shipments in transit - Improve delivery accuracy	- Fast inventory - Prevent stock-outs - Enhance customer experience	- Track WIP and components - Improve production efficiency - Ensure quality control
ACCESS CONTROL	LIBRARY MANAGEMENT	VEHICLE MANAGEMENT	HEALTHCARE	COLD CHAIN MONITORING
- Restrict area access - Track personnel and assets - Improve site security	- Fast book check-in/out - Locate misplaced items - Improve library efficiency	- Vehicle identification - Automated gate access - Improve traffic flow	- Track medical assets - Ensure patient safety - Improve compliance	- Monitor temperature sensitive goods - Real-time data logging - Ensure product integrity

Ordering info

Part Number	IC Type	EPC Memory	USER Memory	Delivery Format
OR-UHF-4518-M8	Impinj M8	128bits		Dry/Wet/ Label
OR-UHF-4518-M7	Impinj M7	128 bits		Dry/Wet/ Label
OR-UHF-4518-H10	Alien H10	96 bits		Dry/Wet/ Label



Technical Specifications

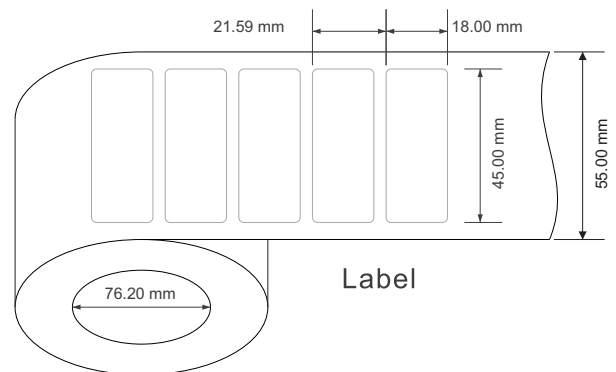
Item	Specification
Frequency	860–960 MHz
RFID Protocol	EPC Class 1 Gen2v2
Standard	ISO/IEC 18000-63
Chip	IMPINJ M7/ NXP ucode 8/ Higgs10
EPC Memory	96–496 bits
User Memory	According to chip
TID Memory	According to chip
Read Range	Up to 12 m (reader dependent)
IC Retention	50 Years
Write Cycles	100,000

Physical Specifications

Item	Specification
Label Size	45 x 18 mm
Antenna Size	40 x 16 mm
Face Material	Thermal Paper / PP / PET
Adhesive	Permanent Acrylic
Liner	Glassine Paper
Thickness	0.15 mm
Color	White
Printing	Thermal Transfer / Direct Thermal

Environmental Characteristics

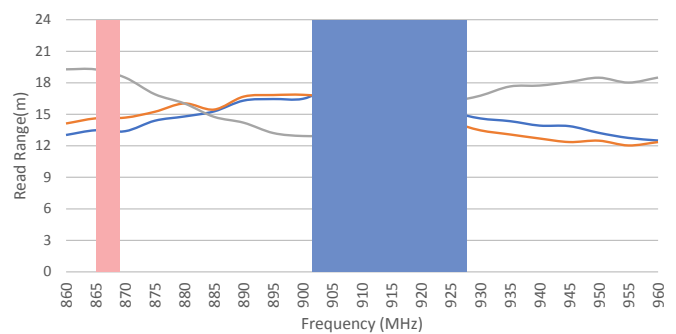
Item	Value
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	5–95% RH
IP Rating	Indoor Label



Packaging

Item	Specification
Roll Diameter	8 inch
Core Size	3 inch
Labels/Roll	1000 / 2000 / 3000
Carton Qty	Custom

Read Range(2WERP)



in air on cardboard on PTFE



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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