

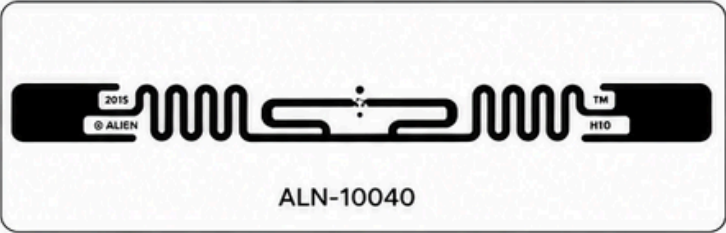


SQUIGGLE UHF PET

WHITE WET INLAY

98.2 x 12.3mm

High-performance UHF RFID white wet inlay with high-strength adhesive backing for reliable long-range identification. Built on the proven Alien Squiggle design with the high-performance Alien Higgs-10 chip, it delivers excellent read accuracy and long-range performance for asset tracking, inventory management, logistics operations, and supply chain automation.



LONG RANGE
READING



STRONG
ADHESIVE



PRINTABLE
SURFACE



DURABLE
PET MATERIAL

PRODUCT SPECIFICATIONS

Product Type	UHF RFID White Wet Inlay
Model	ALN-10040
Dimensions	98.2 x 12.3 mm
Face Material	White PET
Inlay Type	Wet Inlay with Adhesive
RFID Frequency	UHF 860 – 960 MHz
RFID Standard	EPC Class 1 Gen 2 / ISO 18000-6C
Antenna Material	Aluminum Etched Antenna
Chip Type	Alien Higgs-10
Read Range	Up to 15 meters (Environment dependent)
Adhesive Type	Permanent / High Strength Adhesive
Print Compatibility	Thermal Transfer Printable
Surface Compatibility	Plastic, Cardboard, Glass, Packaging Materials
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +85°C
Mounting Method	Peel-and-Stick Adhesive
Application Type	Non-Metal Applications
Colour	White
Construction	PET Substrate + RFID Chip + Antenna + Adhesive Backing

KEY FEATURES

- ✓ Long-range UHF RFID performance up to 15 meters
- ✓ Powered by the high-performance Alien Higgs-10 IC
- ✓ Proven Alien Squiggle antenna design for superior read accuracy
- ✓ Durable PET construction for industrial environments
- ✓ High-strength adhesive for secure attachment
- ✓ Fast multi-tag reading capability
- ✓ Lightweight and ultra-thin label format
- ✓ Suitable for high-volume automated identification systems
- ✓ Printable white surface for barcodes and variable information
- ✓ Excellent performance across global UHF frequency bands

TYPICAL APPLICATIONS



RETAIL

- Inventory control
- Smart shelving
- Item-level tracking
- Loss prevention



ASSET MANAGEMENT

- Equipment tracking
- Tool identification
- Returnable asset management
- Asset lifecycle monitoring



LOGISTICS & WAREHOUSING

- Carton identification
- Shipment verification
- Pallet tracking
- Distribution centre operations



HEALTHCARE

- Medical equipment tracking
- Consumable management
- Pharmaceutical identification
- Inventory visibility



MANUFACTURING

- Work-in-progress tracking
- Production automation
- Process monitoring
- Component identification



SUPPLY CHAIN

- End-to-end visibility
- Warehouse automation
- Distribution management
- Logistics optimisation

ENVIRONMENTAL & PERFORMANCE

Moisture Resistance	Good
Flexibility	High
Chemical Resistance	Moderate
UV Resistance	Moderate
Indoor Use	Recommended
Outdoor Use	Limited / Protected Conditions
Metal Surface Compatibility	Not Recommended Without Spacer

RECOMMENDED READER

CHAINWAY C72

5.2" UHF ANDROID 13 MOBILE SCANNER

High-performance UHF RFID mobile computer with Android 13, powerful octa-core processor and long-range reading capability. Ideal for inventory management, asset tracking, logistics and field operations.



UHF RFID
(Up to 20m*)



Android 13
OS



5.2" HD
Touch Screen



IP65
Rugged Design



Long-lasting
Battery



COMPLIANCE



EPCglobal
Gen2 Compliant



ISO 18000-6C
Compliant



RoHS
Compliant

RECOMMENDED STORAGE

- Store in cool, dry conditions
- Avoid direct sunlight exposure
- Recommended humidity: 40%–60% RH
- Keep sealed in original packaging until use



HOTLINE
0861 7347 72



EMAIL
sales@rfdigi.co.za



WEBSITE
www.rfdigi.co.za

NATIONWIDE SUPPORT
TRUSTED RFID & IOT SOLUTIONS
PROVIDER IN SOUTH AFRICA

