



UHF ALN-9654 Wet Inlay

Model ALN-9654 WET INLAY · Brand: Identium



Alien's ALN-9654 UHF RFID inlay in wet, self-adhesive form: 96.5 × 23.2 mm, Higgs-3 chip, 512 bits of user memory. Supplied in high-count rolls for label converters and asset or tool tracking projects.

KEY FEATURES

- **Higgs-3 IC: 96-bit EPC (extensible to 480 bits), 512-bit user memory**
- **Unique, unalterable 64-bit serial number for authentication**
- User memory can be perma-locked or read-password protected
- EPC Gen 2 v1.2.0 and ISO/IEC 18000-6C, 840–960 MHz
- Read distance up to 20 ft (about 6 m)
- About 12,500 inlays per roll on a fibreboard core

APPLICATIONS

Asset tracking

Tool tracking

RFID label converting

Returnable container tags

SPECIFICATIONS

Chip	Alien Higgs-3
Protocol	EPC Gen 2 (v1.2.0), ISO/IEC 18000-6C
Frequency	840–960 MHz (covers India's 865–868 MHz band)
Memory	800 bits: EPC 96 bits (extensible to 480), User 512 bits, TID 32 bits + 64-bit unique TID, Access and Kill passwords 32 bits each
Read range	Up to 20 ft (about 6 m)
Size	96.5 × 23.2 mm (3.799 × 0.913 in)
Type	Wet inlay (adhesive-backed)
Weight	Under 1 g
Operating temperature	–40 to +93.3 °C
Adhesive application temperature	Above +25 °F (about –4 °C)
Packaging	Roll, approx. 12,500 inlays (nominal), fibreboard core