HID®

HID Trusted Tag®
ISO Card

HID Trusted Tag® Card

NFC

OPTIMIZED FOR SECURE CLOUD-BASED AUTHENTICATION OF UNIQUE, NON-REPLICABLE INTERACTIONS

- **Secure** – Encrypted data changes on every tap, blocking attempts to share, clone or manipulate card activity
- **Familiar format** – Immediately recognized and accepted by users
- **Frictionless operation** – Simply tap to interact, no app to create or download
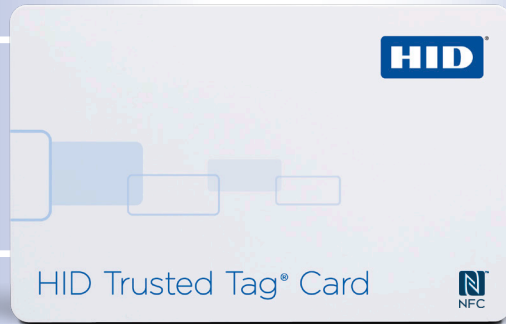- **Streamlined deployment** – No proprietary software or special readers required for card authentication

TECHNOLOGY HIGHLIGHTS:

- NFC, 13.56 MHz
- Standards: ISO 10373, ISO 7816-1, ISO 14443A – NFC Tag Type 4
- Globally recognized card format
- Surface printable
- Preprogrammed to your specifications by HID

HID Global optimizes security, utility, and ease-of-implementation for NFC programs by combining recognized ISO-format cards with HID Trusted Tag® Services, the cloud-based authentication platform adding trust to NFC applications.

With HID Trusted Tag Services, each simple tap of a pre-programmed Trusted Tag ISO Card on a smartphone or other NFC device generates a secure, efficient transaction. The standards-based cryptographic code changes with every use, enabling each tap to be individually authenticated.

Every time a user taps their card, a unique code is transmitted to the HID Trusted Tag Services authentication cloud for verification. Once verified – or not – the web-based application generates an appropriate response to each card tap, while compiling results in real-time. Each interaction is distinct and non-replicable.

Achieve frictionless on-line authentication for your ISO card based application (e.g. as ID-badge verified by any NFC phone). HID Trusted Tag Services is an ideal choice for "proof of presence", time-and-attendance, brand protection and other Internet of Things applications using NFC-enabled smartphones today, and Bluetooth smart devices in the future.

HID can create a custom ISO card to fit your application requirements for chip type, programming and materials. You can even embed multiple technologies in a single card, providing transition paths that connect NFC applications with legacy systems that use LF, HF or UHF.

Also available from HID are various other hard-tag form factors, tamper evident seal tags and wet inlays optimized for use with HID Trusted Tag Services, or HID can customize a format to fit your application requirements.

APPLICATION AREAS:

- Medical and health
  - Alternate site care time and attendance
- Marketing
  - Loyalty programs
  - Promotions
  - Stored-value

SPECIFICATIONS

Imprint or engrave your brand or promotional message on card surfaces.

	HID Trusted Tag® ISO Card
Base Model Number	6D6401-101
ELECTRONIC	
Operating Frequency	13.56 MHz
Chip Type	HID Trusted Tag
Memory	8 KB
Anti-Collision	N/A
Reading Distance	Proximity NFC tap
PHYSICAL	
Dimensions	3.4 × 2.1 × 0.03 in (85.6 × 54 × 0.76 mm)
Housing Material	PVC
Color	White
CHEMICAL AND MECHANICAL	
Water	IP68, 68° F (20° C), 3.3 ft (1 m) x 24 h
Withstands Exposure To	Acetic acid, artificial perspiration, carbonated water, ethylene glycol, fuel B, humidity (95% at 50° C × 24h), salt mist, salt water, sugared water
Environmental Test Conditions	68° F (20° C), 100 h
Vibration	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
Shock	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]
Bending	Dynamic bending and torsion, 4 × 250
THERMAL	
Storage	-31° to +122° F (-35° to +50° C), 1000 h
Operating	-31° to +122° F (-35° to +50° C)
Shock/Fatigue	-31° to +176° F (-35° to +80° C), 1000 h
Peak	176° F (80° C), 1 × 24 h
OTHER	
Standards	ISO 10373, ISO 7816-1, ISO 14443A - NFC Tag Type 4
Options	Alternative technologies, e.g. NTAG 424 DNA, MIFARE, MIFARE DESFire, LF, UHF or multi-frequency; Surface printing; laser engraving; encoding
Box Size	2,000 pcs
Warranty	1 Years

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