




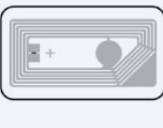

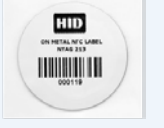





HF: 13.56 MHz / ISO 14443 / NFC*

Compliant with ISO/IEC 14443A and other standards.

Enhanced security potential with HID Trusted Tag® Services



Tags equipped with HID Trusted Tag integrated chips are uniquely programmed to enhance security and efficiency when deployed with HID Trusted Tag® Services. Our cloud-based NFC authentication platform adds unique identities to everyday objects enabling more secure, efficient transactions. Simply tap an embedded or attached HID Trusted Tag with any NFC device. Trusted Tag Services deliver a frictionless authentication experience for “proof-of-presence” applications, including time-and-attendance, brand protection, promotional marketing and Internet of Things programs.

	Discs		Embeddable				Specialty				
											
Product family	Embeddable RFID	Poly Tag™	IQ Labels		Seal Tag	IQ On Metal Labels	InLine Plate	Seal Tag	Epoxy Keyfob	ISO Card	Secure Mobile Device Sticker
Sub-family	Clear Disc	HF	Paper Label	PET Clear	edTammer	IQ OM 5 HF	Asset Tag	eTammer Coin		MIFARE	
Description	Transparent coating resists chemical exposure, shock, vibration and thermal fluctuations	Rugged disc for outdoor applications and other harsh environments. Optional Trusted Tag Services enabled.	Custom-imprintable labels to integrate digital touch points onto physical media	Small, thin, translucent selfadhesive; hide discretely behind print media or inside product packaging.	Tamper-evident label to detect whether a product or box has been opened.	Thin, printable self-adhesive labels for on-metal use	Small on-metal asset tags utilizing HID Trusted Tag® Services for authentic proof of presence. Printable or clear housing options.	Self destructing when removed, eTammer Coin TTS adds a non-replicable identity to each interaction - ideal for "proof of presence" applications.	Customer-friendly form keeps credentials at hand; withstands rigors of daily transport in pockets or purses	Standard dimension cards enable access control, cashless payment and related applications	Printable ISO card with detachable sticker that adheres to mobile phones or metal objects for NFC applications
ELECTRONIC											
Chip type	MIFARE DESFire EV1	NTAG 216, HID Trusted Tag	NTAG 213		HID Trusted Tag	NTAG 213	HID Trusted Tag	MIFARE DESFire EV1, HID Trusted Tag	MIFARE EV1 1K, HID Trusted Tag	MIFARE DESFire EV1/ EV2, HID Trusted Tag	MIFARE DESFire EV1
User memory up to	4 KB	888 byte, 8KB	144 byte		144 byte	144 byte	8 KB				
Reading distance	Near tap		Near tap				Near tap				
Other frequencies	LF		UHF			UHF			LF	LF, UHF	
PHYSICAL											
Dimensions Refer to datasheets for other available sizes	Ø 0.98 in (25 mm)	Ø 1.34 x 0.31 in (Ø 34 x 8 mm)	Ø 1.1 in (29 mm) and Ø 1.6 in (40 mm)	0.74 x 0.4 in (19 x 11 mm)	Ø 0.9 in (23 mm)	Ø 1.2 x 0.03 in (30 x 0.8 mm)	1.2 x 2.5 x 0.12 in (30 x 65 x 3.5 mm)	Ø 1.5 x 0.3 in (39 x 8.5 mm)	1.2 x 1.8 x 0.06 in (30 x 45 x 1.6 mm)	3.4 x 2.1 x 0.03 in (85.6 x 54 x 0.76 mm)	ISO card 3.4 x 2.1 x 0.03 in (85.6 x 54 x 0.84 mm); sticker 1.9 x 1.0 in (48 x 25 mm)
Mount on metal		Yes				Yes	Yes	Yes			Yes
Moisture resistance		IP69K, IP68	IP67			IP68	IP68	IP65	IP67	IP68	IP68
Food compatible											
Operating temperature	-4° to +140° F (-20° to +60° C)	-13° to +185° F (-25° to +85° C)	-4° to +158° F (-20° to +70° C)				-40° to +185° F (-40° to +85° C)	-13° to +158° F (-25° to +70° C)	-13° to +176° F (-25° to +80° C)	-31° to +122° F (-35° to +50° C)	-31° to +122° F (-35° to +50° C)
Peak temperature to									284° F (140° C)	176° F (80° C)	176° F (80° C)
Flame resistant		Yes									
Compliant with ISO 18000-3, ISO 14443A and others listed	ISO 14443 NFC Tag Type 4	NFC Tag Type 2 (NTAG 216) NFC Tag Type 4 (Trusted Tag)	ISO 14443A NFC Tag Type 2		ISO/IEC 14443A, NFC Tag Type 2	ISO 14443 NFC Tag Type 2	ISO 14443 NFC Tag Type 4			ISO 14443 NFC Tag Type 4 ISO 10373 ISO 7816-1	ISO 14443 NFC Tag Type 4

* To be NFC Forum Tag Type compliant, tags need to be formatted with an NDEF data structure.

A tag for every application

HID can create a custom tag solution to fit your application requirements for chip type, dimensions, programming and materials. You can even embed multiple technologies in a single RFID tag, providing transition paths that connect legacy systems with new roll-outs.



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A comprehensive reference of RFID tag variations can be found at www.rfid.com

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