

IQ On-Metal Labels

Efficiently tag large quantities of metallic assets to enable powerful RFID applications



HID IQ On-Metal Labels are small, thin self-adhesive NFC or RAIN® UHF tags for on-metal use. These white PET labels may be encoded and printed in standard label printers to apply logos, bar-codes, QR codes or text (except IQ OM LR*). Their flexible special shielding allows application on flat or curved metallic objects like liquid containers, laptops, pipes or machinery.

HID on-metal Labels come in different form factors to suit various applications in an optimal size to performance ratio. NFC labels are NFC Tag Type 2 compliant and may be used with any NFC compatible phone or device. RAIN® RFID UHF labels are available in FCC (US) or ETSI (EU) variants. All labels are delivered on reels for easy processing in a label printer.

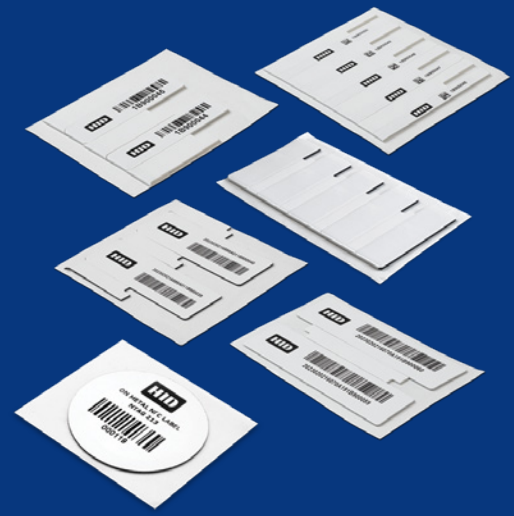
For industrial applications, HF and UHF on-metal labels enhance the speed and accuracy of inventory and process management systems. Using

RAIN® RFID technology, each labeled asset can be identified in the supply chain or connected via Internet of Things (IoT), enabling businesses and consumers to identify, locate, authenticate and engage each item.

HID guarantees each individual RFID IQ Labels tag will perform to specifications. Our quality assurance streamlines processing and encoding to keep your projects on time and on budget.

These easy to use labels are great for tracking IT assets in data centers and offices, including computers and equipment such as furniture or small returnable transport items (RTIs). The range of sizes and high temperature capabilities also broadens the use cases to manufacturing, warehouses, hospitals, laboratories and even weaponry.

Printable labels for off-metal use or labels that include passive sensors for temperature and humidity, are described in a separate datasheet. For high-security applications, innovative HID Trusted Tag® Services combines cryptographically secure NFC IQ Labels with a cloud-based authentication platform, powering frictionless, secure transactions for proof-of-presence, sweepstakes or product authentication. Ask your HID representative to demonstrate the potential of HID Trusted Tag Services.



KEY BENEFITS:












- **Effortless integration** – Simply apply tags to metallic assets.
- **Ready adoption** – Interoperable with NFC Forum and RAIN UHF RFID compliant devices.
- **Enhanced effectiveness** – Faster, more accurate than QR-codes or text transactions.

TECHNOLOGY HIGHLIGHTS:

- Standards compliant options
 - NFC Forum Tag Type 2
 - RAIN UHF RFID
- Label reels may be programmed and printed using standard equipment
- Each tag guaranteed to work
- Versions for on- or off-metal use
- Peel and stick flexibility plus options to have labels supplied individually or on rolls allows simple, cost effective and efficient asset management.

OTHER OPTIONS:

- Customized labels from [LUX-IDent](#)
- [HID Trusted Tag versions](#)
- [IQ Non-metal Labels](#)
- [IQ Pro Labels](#)
- [Sense Passive Tags](#)

	IQ OM Label										
	HF	UHF									
	IQ OM 5 HF	IQ OM 150	IQ OM 300	IQ OM 350	IQ OM 600	IQ OM 600 GS	IQ OM 750	IQ OM LR600	IQ OM LR1000	IQ OM LR1200	IQ OM LR1200 GS
											
Base Model Number	6E3M30	CP16080 - EU CP16082 - US	CP14955 - EU CP14953 - US	CP15712 - EU CP15711 - US	CP16070 - EU CP16072 - US	CP16595 - worldwide	CP16702-01 - EU CP16658-01 - US	CP16326 - EU CP16327 - US	CP16329 - EU CP16331 - US	CP12758 - EU CP12759 - US	CP16333 - worldwide
	ELECTRONIC										
Operating Frequency	13.56 MHz	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)				865-928 MHz (Global)	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)			865-928 MHz (Global)	
Chip Type	NTAG 213	M730						M730		Monza R6-P	M730
Memory	144 byte EEPROM	128 bit EPC						128 bit EPC		128/96 bit EPC, 32/64 bit UM	128 bit EPC
UHF Reading Distance 2 W reader ERP, free space		Up to 5.9 ft (1.8 m)	Up to 12.8 ft (3.9 m)	Up to 12.5 ft (3.8 m)	Up to 21.6 ft (6.6 m)	Up to 23 ft (7 m)	Up to 24.6 ft (7.5 m)	Up to 23 ft (7 m)	Up to 36 ft (11 m)	Up to 49.2 ft (15 m)	Up to 43.3 ft (13.2 m)
	PHYSICAL										
Dimensions	ø 1.2 x 0.03 in (30 x 0.8 mm)	2.2 x 0.5 x 0.05 in (55 x 12.5 x 1.2 mm)	2.5 x 0.2 x 0.05 in (65 x 6 x 1.3 mm)	1.9 x 0.5 x 0.05 in (50 x 12.5 x 1.3 mm)	3.78 x 0.94 x 0.05 in (100 x 24 x 1.3 mm)	2.9 x 0.98 x 0.05 in (75 x 25 x 1.35 mm)	2.36 x 0.94 x 0.06 in (60 x 24 x 1.4 mm)	1.9 x 0.5 x 0.12 in (50 x 12.5 x 3.6 mm)	1.8 x 0.8 x 0.14 in (45 x 20 x 3.8 mm)	2.9 x 1.0 x 0.10 in (75 x 25 x 2.5 mm)	
Mounting Method	Self-adhesive / optional: Acrylic glue										
Affixes To	Metal surfaces										
Housing Material	PET (front), printable with resin ribbon	Synthetic label	Premium Syn- thetic Label	Synthetic label			Synthetic label with transparent over laminates		Synthetic label with transparent over laminates		
Weight	0.07 oz (2 g)	0.01 oz (0.25 g)	0.01 oz (0.27 g)	0.01 oz (0.5 g)	0.07 oz (2 g)	0.01 oz (0.5 g)	0.04 oz (1.07 g)	0.02 oz (0.8 g)		0.06 oz (1.66 g)	
Color	White										
	CHEMICAL AND MECHANICAL RESISTANCE										
Water	IP68, 68° F (20° C), 3.3 ft (1 m) x 24h										
Withstands Exposure To	Vegetable oil, Motor oil, acetone wipe (with overlaminates)										
Environmental Test Conditions	68° F (20° C), 168 h										
Vibration & Shock	IEC 68.2.6 / IEC 60068-2-27:2008	MIL STD 810-G									
	THERMAL										
Storage	-4° to +158° F (-20° to +70° C)	-40° to +158° F (-40° to +85° C)									
Operating	-4° to +158° F (-20° to +70° C)	-40° to +158° F (-40° to +85° C)									
	OTHER										
Standards	ISO/IEC 14443A, NFC Forum Tag Type 2	EPC Global Class 1 Gen 2, ISO 18000-6C									
Options	Custom printing and encoding. NOTE: IQ OM LR* Labels can only be pre-printed by HID on request, since they are too thick to be processed by a standard label printer on-site.										
Box Size	500 pcs. / roll	1,000 pcs. / roll	1,000 pcs. / roll	900 pcs. / roll	500 pcs. / roll	500 pcs. / roll	500 pcs. / roll	380 pcs/roll	250 pcs. / roll	900 pcs. / roll	900 pcs. / roll
Warranty	1 Year										



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