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 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 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.

The IQ Secure OM 800 Anti-Tamper label is a compact RFID tag designed for high-value assets, office equipment, IT assets, and RTIs. With excellent RF performance, it excels in portal applications with an extended read range. Its unique Anti-Tamper feature ensures the inlay breaks if the tag is removed from the asset, making it non-transferable after curing.

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 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
- 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 V3 *	IQ OM 600 GS	IQ OM 750	IQ OM Secure 800	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	CP20558 - EU CP20560 - US	CP16595 - worldwide	CP16702-01 - EU CP16658-01 - US	CP19895 - EU CP19894 - 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			M830	M730					Monza R6-P	M730
Memory	144 byte EEPROM	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 42.65 ft (13 m)	Up to 23 ft (7m)	Up to 24.6 ft (7.5 m)	Up to 26.2 ft (8 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)	2.36 x 0.5 x 0.05 in (60 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)	2.75 x 1.57 x 0.053 in (70 x 40 x 1.36 mm)	1.9 x 0.5 x 0.12 in (50 x 12.5 x 3.6 mm)	EU: 1.8 x 0.8 x 0.14 in (45 x 20 x 3.8 mm); US: 1.67 x 0.79 x 0.15 in (42.5 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							Self-adhesive	Self-adhesive / optional: Acrylic glue			
Affixes To	Metal surfaces	Metal/Off Metal surfaces	Metal surfaces		Metal/Off Metal surfaces	Metal surfaces						
Housing Material	PET (front), printable with resin ribbon	PET							PT Label with transparent over-laminate			
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)	0.074 oz (2.1g)	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) × 24h							IP68	IP68, 68° F (20° C), 3.3 ft (1 m) × 24h			
Withstands Exposure To		Vegetable oil, Motor oil, acetone wipe (with overlaminate)										
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 +185° F (-40° to +85° C)										
Operating	-4° to +158° F (-20° to +70° C)	-40° to +185° F (-40° to +85° C)										
	OTHER											
Standards	ISO/IEC 14443A, NFC Forum Tag Type 2	EPC Global Class 1 Gen 2, ISO/IEC 18000-6C										
Printers Compatibility		Sato CL4NX Plus, Sato CL6NX Plus, TSC T6000e	Zebra ZT410R, Zebra ZT411R, Sato CL4NX Plus, Sato CL6NX Plus, TSC T6000e		Sato CL4NX Plus, Zebra ZT410R, Zebra ZT411R, TSC T6000e	Zebra ZT410R, Zebra ZT411R, Sato CL4NX Plus, Sato CL6NX Plus, TSC T6000e			Not compatible with off the shelf RFID printers. Can be supplied pre-printed/encoded			
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	400 pcs/roll	1000 pcs/roll	800 pcs. / roll	900 pcs. / roll	900 pcs. / roll
Warranty	1 Year											

*Works on both metal and non-metal surfaces.

**Batch-to-batch variation could be within 5%. Un-spliced sections will be within a 0.2mm tolerance.

Supports GEN2X

For more information, contact tagsales@hidglobal.com

HID
hidglobal.com

North America: +1 512 776 9000 | Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +353 (91) 414060
Asia Pacific: +852 3160 9800 | Latin America: +52 55 9171 1108
For more global phone numbers click here

© 2026 HID Global Corporation/ASSA ABLOY AB. All rights reserved.
2026-08-31-idt-rfid-il-iq-on-metal-labels-ds-en PLT-03513
Part of ASSA ABLOY