

# IQ Labels Non-Metal

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

HID Global IQ Labels are small, thin self-adhesive tags that allow discreet or overt placement. They are easily hidden behind a poster or display, or inside a product housing or package; or they may be imprinted with high-visibility graphics, attracting the attention of people with smartphones or other standard RFID readers. With print, peel and stick flexibility in discrete or roll-to-roll labels, asset management becomes simple, cost effective and efficient.



Promotional marketers use IQ Labels to quickly and cost-effectively integrate digital touch points into physical media, such as posters, packaging, point-of-purchase displays, and magazines. With IQ Labels in place, smartphone-wielding customers can interact in real time with your brand. Wireless technology enables effortless transactions, engaging improved customer participation and satisfaction.

NFC technology has enabled the convergence of social media, localized promotional efforts and mobile technology, empowering marketers with unprecedented tools to promote products and services while rewarding customer loyalty. Integrate the benefits of social-local-mobile (SoLoMo) technology to empower your customer conversations.

For industrial applications, HF and UHF IQ 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. Printable labels for on-metal or industrial use are described in separate datasheets.

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

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 specific needs, LUX-IDent, part of HID Global, designs and manufactures custom labels in HF and UHF.



## KEY BENEFITS

- **Effortless integration** – Simply apply tags to any print media, packaging or non-metal 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, 4 or 5
  - RAIN UHF RFID
- Label reels may be programmed and printed using standard equipment
- Each tag guaranteed to work

## OTHER OPTIONS:

- Customized labels from [LUX-IDent](#)
- [HID Trusted Tag versions](#)
- [IQ On-metal Labels](#)
- [IQ Pro Labels](#)

For more information, contact [tagsales@hidglobal.com](mailto:tagsales@hidglobal.com)

IQ Labels					
HF					
	IQ 18 x 18 HF	IQ 19 x 11 HF	IQ 29 HF	IQ 30 x 30 HF	IQ 40 HF
					
<b>Base Model Number</b>	629H18-A00	6E3C19	6E3E29	6E3F30	6E3E40
<b>Material</b>	Clear PP	PET Clear	Paper Label	PET White	Paper Label
<b>ELECTRONIC</b>					
<b>Operating Frequency</b>	13.56 MHz				
<b>Chip Type</b>	ICODE SLIX2	NTAG213			
<b>Memory</b>	2560 Bit UM	144 byte EEPROM			
<b>UHF Reading Distance 2 W reader ERP, free space</b>	Vicinity	Proximity (NFC Tap)			
<b>PHYSICAL</b>					
<b>Dimensions</b>	0.7 x 0.7 in (18 x 18 mm)	0.74 x 0.4 in (19 x 11 mm)	ø 1.1 in (29 mm)	1.18 x 1.18 in (30 x 30 mm)	ø 1.6 in (40 mm)
<b>Antenna</b>	0.62 x 0.62 in (16 x 16 mm)	0.67 x 0.3 in (17 x 8 mm)	ø 0.8 in (20 mm)	0.9 x 0.9 in (25 x 25 mm)	ø 1.4 in (35 mm)
<b>Mounting Method</b>	Acrylic Self-adhesive	Self-adhesive		Acrylic Self-adhesive	Self-adhesive
<b>Affixes To</b>	Flat, dry and non-metallic surfaces				
<b>Housing Material</b>	PP	PET	Paper	PET	Paper
<b>Color</b>	White				
<b>CHEMICAL AND MECHANICAL RESISTANCE</b>					
<b>Water</b>	IP67, 68° F (20° C), 3.3 ft (1 m) x 35 min				
<b>Environmental Test Conditions</b>	68° F (20° C), 100 h				
<b>Vibration</b>	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]				
<b>Shock</b>	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]				
<b>THERMAL</b>					
<b>Storage</b>	68° to 77° F (20 °C to 25°C), 40-50% RH (FINAT) 1 year in the original package				
<b>Operating</b>	-4° to +176° F (-20 °C to +80 °C)	-4° to +158° F (-20 °C to +70 °C)			
<b>OTHER</b>					
<b>Standards</b>	ISO 14443A - NFC Tag Type 5	ISO 14443A - NFC Tag Type 2			
<b>Options</b>	Alternative chips including encryption and HID Trusted Tag® (NFC Type 4); Dry inlays; custom printing. Imprint of black register bar between labels when precise positioning is required (add "R" to end of part number).				
<b>Box Size</b>	5,000 pcs.		2,000 pcs.	2,500 pcs.	1,000 pcs.
<b>Warranty</b>	1 Year				

IQ Labels											
UHF											
	IQ 19 x 13	IQ 48 x 13	IQ 43 x 18	IQ 54 x 34	IQ 73 x 21	IQ 70 x 40	IQ 92 x 28	IQ 97 x 12		IQ 400P - 46x12	IQ 800P - 95x21
											
<b>Base Model Number</b>	6M2E19	6M6F47	6M6F43	6M6E54	6M6F73 6M6F73-A00 (acrylic)	6M6N74	6H2E92	6M6F98	6M2F98	CP15924	CP15907
<b>ELECTRONIC</b>											
<b>Operating Frequency</b>	860 to 960 MHz										
<b>Chip Type</b>	UCODE 9							M730		UCODE 9	M730
<b>Memory</b>	96 bit EPC							128 bit EPC + 96 bit TID		96 bit EPC	128 bit EPC + 96 bit TID
<b>UHF Reading Distance 2 W reader ERP, free space</b>	Up to 0.6 ft (20 cm)	Up to 32.8 ft (10 m)			Up to 46 ft (14 m)	Up to 19.6 ft (6 m)	Up to 46 ft (14 m)	Up to 39 ft (12 m)		Up to 16.4 ft (5 m)	Up to 32.8 ft (10 m)
<b>PHYSICAL</b>											
<b>Dimensions</b>	0.7 x 0.5 in (19.05 x 12.7 mm)	1.8 x 0.5 in (47.5 x 13.38 mm)	1.7 x 0.7 in (43 x 18 mm)	2.1 x 1.3 in (54 x 34 mm)	2.8 x 0.8 in (73.5 x 21.2 mm)	2.7 x 1.6 in (69.8 x 40 mm)	3.6 x 1.1 in (92 x 28 mm)	3.8 x 0.5 in (98 x 12.31 mm)	3.8 x 0.5 in (97 x 12.31 mm)	1.83 x 0.49 in (46.5 x 12.4 mm)	3.74 x 0.83 in (95 x 21 mm)
<b>Antenna</b>	0.7 x 0.3 in (12 x 9 mm)	1.7 x 0.4 in (44.4 x 10.3 mm)	1.6 x 0.6 in (40 x 15 mm)	1.2 x 1.9 in (30 x 50 mm)	2.7 x 0.5 in (70 x 14 mm)	1.9 x 1.2 in (50 x 30 mm)	0.9 x 3.4 in (24 x 88 mm)	3.5 x 0.4 in (90 x 10 mm)		1.67 x 0.41 in (42.4 x 10.325 mm)	3.28 x 0.67 in (93 x 19 mm)
<b>Mounting Method</b>	Self-adhesive										
<b>Affixes To</b>	Flat, dry and non-metallic surfaces										
<b>Housing Material</b>	Paper	PET		Paper	PET	Nylon	Paper	PET			
<b>Color</b>	White										
<b>CHEMICAL AND MECHANICAL RESISTANCE</b>											
<b>Water</b>	IP67, 68° F (20° C), 3.3 ft (1 m) x 35 min									IP68, 68° F (20° C), 1 m x 24 h	
<b>Environmental Test Conditions</b>	68° F (20° C), 100 h										
<b>Vibration &amp; Shock</b>	IEC 68.2.6 / IEC 68.2.29									MIL STD 810-G	
<b>THERMAL</b>											
<b>Storage</b>	-4° to +158° F (-20 °C to +70 °C)	-40° to +185° F (-40° to +85° C)		On reel, Shelf life max. 1 year at 14° to 104°F (-10° to +40°C), 30-70% relative humidity	-40° to +185° F (-40° to +85° C)		On reel, Shelf life max. 1 year at 14° to 104°F (-10° to +40°C), 30-70% relative humidity	-4° to 158°F (-20° to +70°C) (1 x 1000 h)		-40° to +185° F (-40° to +85° C)	
<b>Operating</b>	-4° to +158° F (-20 °C to +70 °C)	-40° to +185° F (-40° to +85° C)		-4° to +158° F (-20 °C to +70 °C)	-40° to +185° F (-40° to +85° C)		-4° to +158° F (-20 °C to +70 °C)		-40° to +185° F (-40° to +85° C)		
<b>OTHER</b>											
<b>Standards</b>	UHF EPC Class 1 Gen 2, ISO 18000-63										
<b>Options</b>	Personalization on demand										
<b>Box Size</b>	5,000 pcs	2000 pcs.			5,000 pcs		2,000 pcs.	5,000 pcs		1,000 pcs	
<b>Warranty</b>	1 Year										



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