IQ Labels Non-Metal
Efficiently tag large quantities of non-metallic assets to enable powerful RFID applications

HID 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.
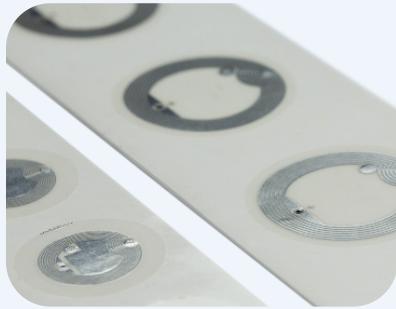
Promotional marketers use IQ Labels to quickly and cost-effectively integrate digital touch points into physical media, such as posters, packaging, point-of-purchase displays, and magazines. With IQ Labels in place, smartphone-wielding customers can interact in real time with your brand. Wireless technology 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 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 IQ 400P label is available in a biodegradable paper-based version. Printable labels for on-metal or industrial use are described in separate datasheets.

HID 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, 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 compliant devices.
- **Enhanced effectiveness –** Faster, more accurate than QR-codes or text transactions.
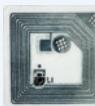
TECHNOLOGY HIGHLIGHTS:

- Standards compliant options
  – NFC Forum Tag Type 2 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

HID

IQ Labels			
HF			HF + UHF
IQ 18 x 18 HF	IQ 34 x 18 HF	IQ 11 x 19 HF	IQ Combo 700P - 100 x 21
Base Model Number 629H18-A00	629F34-A00	6E3C19	CP20070
Material Clear PP	PET White	PET Clear	PET White
ELECTRONIC			
Operating Frequency 13.56 MHz			(HF) 13.56 MHz /865-928 MHz (Global)
Chip Type ICODE SLIX2		NTAG213	EM4425
Memory 2560 Bit UM		144 byte EEPROM	96 bit EPC, configurable 2048 bit for HF and UHF
Reading Distance Proximity (NFC Tap)			Up to 23 ft (7m)
PHYSICAL			
Dimensions 0.7 × 0.7 in (18 × 18 mm)	1.3 × 0.7 in (34 × 18 mm)	0.43 x 0.75 in (11 × 19 mm)	3.94 × 0.83 in (100 x 21 mm)
Antenna 0.62 × 0.62 in (16 × 16 mm)	1.25 × 0.59 in (32 × 15 mm)	0.67 x 0.3 in (17 × 8 mm)	3.86 × 0.75 in (98 x 19 mm)
Mounting Method Self-adhesive			
Affixes To Flat, dry and non-metallic surfaces			
Housing Material Paper	PET		
Color White			
CHEMICAL AND MECHANICAL RESISTANCE			
Water IP67, 68° F (20° C), 3.3 ft (1 m) × 35 min			IP68, 68°F (20°C), 1m x 24 h (PET Only)
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]			MIL STD 810-G
Shock IEC 60068-2-27:2008 [40 g, 18 ms, 6 axis, 2000 times]			MIL STD 810-G
THERMAL			
Storage 68° to 77° F (20 °C to 25°C), 40-50% RH (FINAT) 1 year in the original package		-67° to +257° F (- 55 °C to +125 °C) (1x1000h)	-40° to +185° F (-40° to +85° C)
Operating -4° to +176° F (- 20 °C to +80 °C)		-4° to +158° F (- 20 °C to +70 °C)	-40° to +185° F (-40° to +85° C)
OTHER			
Standards ISO 15693 - NFC Tag Type 5		ISO 14443A - NFC Tag Type 2	ISO 15693 - NFC Tag Type 5, ISO/IEC 18000-63
Options HID Trusted Tag® (NFC Type 4) or alternative NTAG chips; Dry inlays; custom printing. Imprint of black register bar between labels when precise positioning is required (add "R" to end of part number).			
Box Size 5,000 pcs.			1,020 pcs.
Warranty 1 Year			

UK CA   N NFC   CE

	IQ Labels							
	UHF							
	IQ 48 x 13	**IQ 76 x 16**	**IQ 97 x 12**		**IQ 400P - 46x12**	**IQ 800P - 95x21**	**IQ 1200G - 92x26**	**IQ 1350P - 96x88**
Base Model Number	6M6F47	6M6F73-A00 (acrylic)	6M6F98-A00	6M2F98	CP15924	CP15907	CP11485 - EU CP17806 - US	CP16443
ELECTRONIC								
Operating Frequency	865-928 MHz (Global)						(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	865-928 MHz (Global)
Chip Type	M730			UCODE 9	M730			
Memory	128 bit EPC + 96 bit TID			96 bit EPC	128 bit EPC + 96 bit TID			
UHF Reading Distance 2 W reader ERP, free space	Up to 32.8 ft (10 m)	Up to 46 ft (14 m)	Up to 39 ft (12 m)		Up to 26.2 ft (8 m)	Up to 49.2 ft (15 m)	Up to 59 ft (18 m)	Up to 46 ft (14 m)
PHYSICAL								
Dimensions	1.8 × 0.5 in (47.5 × 13.38 mm)	2.9 × 0.6 in (76 x 16 mm)	3.8 × 0.5 in (98 × 12.31 mm)	3.8 × 0.5 in (97 × 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)	3.62 x 1 in (92 x 26 mm)	3.78 x 3.46 in (96 x 88 mm)
Antenna	1.7 x 0.4 in (44.4 x 10.3 mm)	2.8 x 0.4 in (72 x 12 mm)	3.5 × 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)	3.46 x 0.86 in (87.9 x 22 mm)	3.62 x 0.82 in (92 x 21 mm)
Mounting Method	Self-adhesive							Cable ties or Bands
Affixes To	Flat, dry and non-metallic surfaces							
Housing Material	PET				PET or Paper	PET		
Color	White							
CHEMICAL AND MECHANICAL RESISTANCE								
Water	IP67, 68° F (20° C), 3.3 ft (1 m) × 35 min				IP68, 68° F (20° C), 1 m × 24 h (PET only)			
Environmental Test Conditions	68° F (20° C), 100 h							
Vibration & Shock	IEC 68.2.6 / IEC 60068-2-27:2008				MIL STD 810-G			
THERMAL								
Storage	-40° to +185° F (-40° to +85° C)	-40° to +185° F (-40° to +85° C)		-4° to 158°F (-20° to +70°C) (1 x 1000 h)	-40° to +185° F (-40° to +85° C)			
Operating	-40° to +185° F (-40° to +85° 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)			
OTHER								
Standards	UHF EPC Class 1 Gen 2, ISO 18000-63							
Options	Personalization on demand							
Box Size	2000 pcs.	4,000 pcs	5,000 pcs		1,000 pcs			
Warranty	1 Year							

UKCA CE RAIN