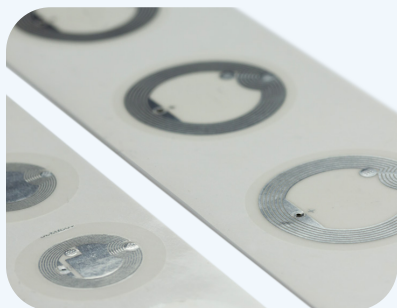


IQ Labels Non-Metal

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.

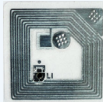
TECHNOLOGY HIGHLIGHTS:

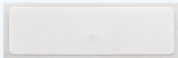
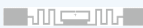
- Standards compliant options
 - NFC Forum Tag Type 2 or 5
 - RAIN UHF RFID
- Label reels may be programmed and printed using standard equipment
- Each tag guaranteed to work

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

	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 x 0.7 in (18 x 18 mm)	1.3 x 0.7 in (34 x 18 mm)	0.43 x 0.75 in (11 x 19 mm)	3.94 x 0.83 in (100 x 21 mm)
Antenna	0.62 x 0.62 in (16 x 16 mm)	1.25 x 0.59 in (32 x 15 mm)	0.67 x 0.3 in (17 x 8 mm)	3.86 x 0.75 in (98 x 19 mm)
Mounting Method	Self-adhesive			
Affixes To	Flat, dry and non-metallic surfaces			
Housing Material	Paper	PET		Synthetic label
Color	White			
	CHEMICAL AND MECHANICAL RESISTANCE			
Water	IP67, 68° F (20° C), 3.3 ft (1 m) x 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
Printers Compatibility				Not compatible with off the shelf RFID printers. Can be supplied pre-printed/ encoded.
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			

	IQ Labels									
	UHF									
	IQ 48 x 13	IQ 76 x 16	IQ 97 x 12		IQ 400P - 46x12		IQ 800P - 95x21	IQ 1000P - 52x52	IQ 1200G - 92x26	IQ 1350P - 96x88
										
Base Model Number	6M6F47	6M6F73-A00 (acrylic)	6M6F98-A00	6M2F98	CP20020 (Logistics)	CP15924	CP15907	CP20635	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			M830	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 37.7 ft (11.5 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 x 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)	2.05 x 2.05 in (52 x 52 mm)	3.62 x 1 in (92 x 26 mm)	3.78 x 3.46 in (96 x 88 mm)
Antenna	1.7 × 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)	2 x 2 in (50 x 50 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				Cardboard	Flat, dry and non-metallic surfaces				
Housing Material	PET				Synthetic label	PET or Paper	PET	Synthetic label		
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									
Printers Compatibility					Zebra ZT410R, Zebra ZT411R, Sato CL4NX Plus, Sato CL6NX Plus, TSC T6000e					
Options	Personalization on demand									
Box Size	2000 pcs.	4,000 pcs	5,000 pcs		5,000 pcs	1,000 pcs		2,040 pcs	1,000 pcs	
Warranty	1 Year									



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