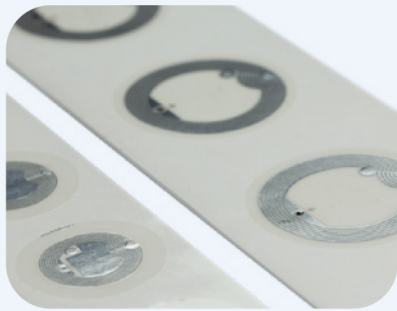


IQ Labels Non-Metal

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® 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 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

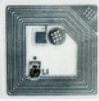



- **Effortless integration** – Simply apply tags to any print media, packaging or non-metal assets.
- **Ready adoption** – Interoperable with NFC Forum and RAIN UHF RFID compliant devices.
- **Enhanced effectiveness** – Faster, more accurate than QR-codes or text transactions.










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](#)

IQ Labels				
HF				
	IQ 18 x 18 HF	IQ 34 x 18 HF	IQ 19 x 11 HF	IQ 30 x 30 HF
				
Base Model Number	629H18-A00	629F34-A00	6E3C19	6E3F30
Material	Clear PP	PET White	PET Clear	PET White
ELECTRONIC				
Operating Frequency	13.56 MHz			
Chip Type	ICODE SLIX2		NTAG213	
Memory	2560 Bit UM		144 byte EEPROM	
Reading Distance	Proximity (NFC Tap)			
PHYSICAL				
Dimensions	0.7 x 0.7 in (18 x 18 mm)	1.3 x 0.7 in (34 x 18 mm)	0.74 x 0.4 in (19 x 11 mm)	1.18 x 1.18 in (30 x 30 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)	0.9 x 0.9 in (25 x 25 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) x 35 min			
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]			
Shock	IEC 60068-2-27:2008 [40 g, 18 ms, 6 axis, 2000 times]			
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)	68° to 77° F (20 °C to 25°C), 40-50% RH (FINAT) 1 year in the original package
Operating	-4° to +176° F (- 20 °C to +80 °C)		-4° to +158° F (- 20 °C to +70 °C)	
OTHER				
Standards	ISO 15693 - NFC Tag Type 5		ISO 14443A - NFC Tag Type 2	
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.			2,500 pcs.
Warranty	1 Year			

IQ Labels									
UHF									
	IQ 48 x 13	IQ 76 x 16	IQ 92 x 28	IQ 97 x 12		IQ 400P - 46x12	IQ 800P - 95x21	IQ 1200G - 92x26	IQ 1350P - 96x88
									
Base Model Number	6M6F47	6M6F73-A00 (acrylic)	6M6F92 (PET)	6M6F98	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 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 x 0.5 in (47.5 x 13.38 mm)	2.9 x 0.6 in (76 x 16 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)	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)	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)	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	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), 1 m x 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)	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)			
Operating	-40° to +185° F (-40° to +85° C)	-40° to +185° F (-40° to +85° C)	-4° to +158° F (-20° 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.	5,000 pcs	2,000 pcs.	5,000 pcs		1,000 pcs			
Warranty	1 Year								



atlasRFIDstore

(205) 383-2244

sales@atlasRFIDstore.com

www.atlasRFIDstore.com