

UHF | HF - Labels HID - IQ Labels On-Metal

- Available in UHF or HF RFID
- Up to 10 meter reading range (UHF)
- Suitable for on metal mounting



UHF | HF - Labels On Metal Labels

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.

Common Applications

- Asset Tracking
- Manufacturing
- Logistic
- Supply Chain
- Healthcare



IQ OM 5 HF



IQ OM 150



IQ OM 300



IQ OM 350



IQ OM 600



IQ OM 600 GS



OEM Part Number (P/N)	6E3M30	CP16080 - EU CP16082 - US	CP14955 - EU CP14953 - US	CP15712 - EU CP15711 - US	CP16070 - EU CP16072 - US	CP16595 - worldwide
Frequency	13.56 MHz	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	865-928 Mhz (Global)
IC type	NTAG 213	M730	M730	M730	M730	M730
Chip memory	144 byte EEPROM	128 bit EPC	128 bit EPC	128 bit EPC	128 bit EPC	128 bit EPC
Reading Distance	Proximity (NFC Tap)	Up to 1.8 m	Up to 3.9 m	Up to 3.8 m	Up to 6.6 m	Up to 7 m
Dimensions	30 x 0.8 mm	55 x 12.5 x 1.2 mm	65 x 6 x 1.3 mm	50 x 12.5 x 1.3 mm	100 x 24 x 1.3 mm	75 x 25 x 1.35 mm
Mounting Method	Self-adhesive optional: Acrylic glue	Self-adhesive optional: Acrylic glue	Self-adhesive optional: Acrylic glue	Self-adhesive optional: Acrylic glue	Self-adhesive optional: Acrylic glue	Self-adhesive optional: Acrylic glue
Affixes To	Metal surfaces	Metal surfaces	Metal surfaces	Metal surfaces	Metal surfaces	Metal surfaces
Housing Material	PET (front), printable with resin ribbon	Synthetic label	Premium Synthetic Label	Synthetic label	Synthetic label	Synthetic label
Water	IP68	IP68	IP68	IP68	IP68	IP68
Vibration	IEC 68.2.6	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
Shock	IEC 60068-2-27:2008	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
Storage	-20° to +70° C	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C
Operating	-20° to +70° C	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C
Standards	ISO/IEC 14443A, NFC Forum Tag Type 2	EPC Global Class 1 Gen 2, ISO 18000-6C	EPC Global Class 1 Gen 2, ISO 18000-6C	EPC Global Class 1 Gen 2, ISO 18000-6C	EPC Global Class 1 Gen 2, ISO 18000-6C	EPC Global Class 1 Gen 2, ISO 18000-6C
Box Size	500 pcs. / roll	1,000 pcs. / roll	1,000 pcs. / roll	900 pcs. / roll	500 pcs. / roll	500 pcs. / roll

IQ OM 750



IQ OM Secure 800



IQ OM LR600



IQ OM LR1000



IQ OM LR1200



IIQ OM LR1200 GS



OEM Part Number (P/N)	CP16702-01 - EU CP16658-01 - US	CP19895 - EU CP19894 - US	CP16326 - EU CP16327 - US	CP16329 - EU CP16331 - US	CP12758 - EU CP12759 - US	CP16333 - worldwide
Frequency	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	(EU) - 865-868 MHz (ETSI) (US) - 902-928 MHz (FCC)	865-928 Mhz (Global)
IC type	M730	M730	M730	M730	Monza R6-P	M730
Chip memory	128 bit EPC	128 bit EPC	128 bit EPC	128 bit EPC	128/96 bit EPC, 32/64 bit UM	128 bit EPC
Reading Distance	Up to 7.5 m	Up to 8 m	Up to 7 m	Up to 11 m	Up to 15 m	Up to 13.2 m
Dimensions	60 × 24 × 1.4 mm	70 × 40 × 1.36 mm	50 × 12.5 × 3.6 mm	EU: 45 × 20 × 3.8 mm US: 42.5 × 20 × 3.8 mm	75 × 25 × 2.5 mm	75 × 25 × 2.5 mm
Mounting Method	Self-adhesive optional: Acrylic glue	Self-adhesive	Self-adhesive optional: Acrylic glue	Self-adhesive optional: Acrylic glue	Self-adhesive optional: Acrylic glue	Self-adhesive optional: Acrylic glue
Affixes To	Metal surfaces	Metal surfaces	Metal surfaces	Metal surfaces	Metal surfaces	Metal surfaces
Housing Material	Synthetic label	White Synthetic Label	Synthetic label with transparent over laminate	Synthetic label with transparent over laminate	Synthetic label with transparent over laminate	Synthetic label with transparent over laminate
Water	IP68	IP68	IP68	IP68	IP68	IP68
Vibration	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
Shock	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G	MIL STD 810-G
Storage	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C
Operating	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C
Standards	EPC Global Class 1 Gen 2, ISO 18000-6C	EPC Class 1 Gen2v2	EPC Global Class 1 Gen 2, ISO 18000-6C	EPC Global Class 1 Gen 2, ISO 18000-6C	EPC Global Class 1 Gen 2, ISO 18000-6C	EPC Global Class 1 Gen 2, ISO 18000-6C
Box Size	500 pcs. / roll	400 pcs/roll	1000 pcs/roll	800 pcs. / roll	900 pcs. / roll	900 pcs. / roll