IDCR@FT
RFID & NFC EXPERTS

UHF | RAIN - Labels
HID - IQ Pro Label

- Comes with Impinj M730 chip
- Temp resistant up to 250°C
- Up to 10 meter reading range
- Suitable for on metal mounting
- Available as ATEX certified version

UHF | RAIN - Labels
Ultra rugged RFID 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.
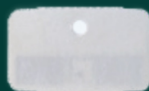
HID guarantees each individual RFID IQ Labels tag will perform to specifications. Our quality assurance streamlines processing and encoding to keep your projects on time and on budget. These easy to use labels are great for tracking IT assets in data centers and offices, including computers and equipment 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.
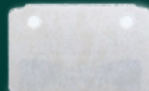
Common Applications

- First choice for manufacturing
- Best for paint shop applications
- Best for complex processes
- Best for medical devices
- Full performance in the half the size
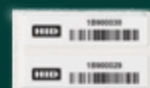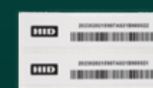- The first choice for high temp

	400P HT	800P HT	400P	750P	800P
OEM Part Number (P/N)	CP16134	CP13445	CP17125	CP17253	CP17142
Frequency	865-928 MHz (Global)	865-928 MHz (Global)	865-928 MHz (Global)	865-928 MHz (Global)	865-928 MHz (Global)
IC type	M730	M730	M730	M730	M730
Chip memory	128 bit EPC	128 bit EPC	128 bit EPC	128 bit EPC	128 bit EPC
Reading Distance	Up to 4 m	Up to 12 m	Up to 6 m	Up to 12 m	Up to 15 m
Dimensions	50 × 30 × 0.5 mm	85 × 55 × 0.5 mm	46.45 × 12.32 mm	60 × 18 mm	95 × 21 mm
Mounting Method	Screw, rivet, metal fastners	Screw, rivet, metal fastners	Self-adhesive	Self-adhesive	Self-adhesive
Affixes To	Plastic and non-metallic substrates	Plastic and non-metallic substrates	Non-metallic surfaces	Non-metallic surfaces	Non-metallic surfaces
Housing Material	High temperature synthetic label	High temperature synthetic label	Polyimide	Polyimide	Polyimide
Water	IP68	IP68	IP68	IP68	IP68
Withstands Exposure To	Mineral oil, 5% caustic soda, 10% salt water, vegetable oil	Mineral oil, 5% caustic soda, 10% salt water, vegetable oil	Resistance to harsh chemicals used for cleaning plastic RTI	Resistance to harsh chemicals used for cleaning plastic RTI	Resistance to harsh chemicals used for cleaning plastic RTI
Peak	230° C (60 minutes)	230° C (60 minutes)	200° C (30 minutes)	200° C (30 minutes)	200° C (30 minutes)
Storage	-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
Standards	UHF EPC Class 1 Gen 2, ISO 18000-6C, RAIN	UHF EPC Class 1 Gen 2, ISO 18000-6C, RAIN	UHF EPC Class 1 Gen 2, ISO 18000-6C, RAIN	UHF EPC Class 1 Gen 2, ISO 18000-6C, RAIN	UHF EPC Class 1 Gen 2, ISO 18000-6C, RAIN
Box Size	1,000 pcs.	1,000 pcs.	1,000 pcs.	1,000 pcs.	1,000 pcs.