IDCR@FT
RFID & NFC EXPERTS

UHF | RAIN - Tags
HID - Adept Tag

- Comes with Alien or Impinj chips
- IP68 protection
- Up to 5 meter reading range
- Suitable for on metal mounting

UHF | RAIN - Heavy Duty Tags
Ultra Rugged RFID

One of the reasons HID has the largest product portfolio in the market is our ability to create custom-designed products to fit very specific customer needs. Sometimes these products remain custom for a specific application — but at other times they can become products marketed to our global customer base.

From strap attachment tags for large cylinders, via hang tags for cables, to high-memory passive RFID labels, steel-encased tags for very heavy industry and tiny, unobtrusive embedded tags, this family of industrial RFID tags is designed to meet specialty use cases and non-traditional applications.
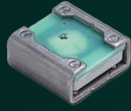
The Adept tag range includes several examples of rugged, industrial custom products but is by no means an exhaustive list. For any special RFID needs, please inquire with us to learn how HID's proven custom design and manufacturing capabilities may help improving your specific use case.

Common Applications

- Tagging gas cylinders
- Industrial applications
- Tagging pipes and valves
- Automotive applications
- Perfect for harsh environments

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	400	400 DATA	360	500
OEM Part Number (P/N)	CP13676	CP08728-02	CP16803	CP16202 (MR6-P) CP15694 (H9)
Frequency	865-928 MHz (Global)	865-928 MHz (Global)	865-928 MHz (Global)	865-928 MHz (Global)
IC type	Monza 4QT	M730	Higgs 9 (UHF) NXP I-Code (HF opt.)	Monza R6-P or Higgs 9
Chip memory	128 bit EPC + 96 bit TID + 512 bit user memory	128 bit EPC	96 bit EPC + 96 bit TID + 688 bit user memory	28/96 bit EPC, 32/64 bit UM, (MR6-P)
Reading Distance	Up to 4 m	Up to 4 m	Up to 5 m Up to 0.1 m (HF)	Up to 5 m
Dimensions	36.5 x 36.5 x 16,.5 mm	37.5 x 12.5 x 4.5 mm	136.5 × 48 × 5.5 mm	37 × 37 × 11.5 mm
Mounting Method	Metal strap, wire rope	Film adhesive and tether hole	Tether attachment	Foam
Affixes To	All surfaces, including metal	All surfaces, including metal	All surfaces, including metal	All surfaces, including metal
Housing Material	High temperature synthetic label	High temperature synthetic label	Polyimide	Polyimide
Water	IP68	IP54	IP68	IP68
Withstands Exposure To	Mineral oil, vegetable oil, motor oil	Mineral oil, vegetable oil, motor oil	Mineral oil, 5% caustic soda (24 Hrs.), 10% salt water, vegetable oil, motor oil	Mineral oil, 5% caustic soda (24 Hrs.), 10% salt water, vegetable oil, motor oil
Vibration & Shock	MIL STD 810-G	MIL STD 810-F	MIL STD 810-F	MIL STD 810-F
Storage	-40° to +85° C	-40° to +85° C	-40° to +85° C	-40° to +85° C
Operating	-20° to +85° C	-5° to +55° C	-40° to +85° C	-20° to +65° C
Standards	UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9	UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9	UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9	UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9
Box Size	1,000 pcs.	1,000 pcs.	1,000 pcs.	1,000 pcs.