ID-RFID-UHF-FLEX is a small form factor, high durability RFID tag with superior on-metal performance. The combination of its size, flexible durable case design and foam adhesive makes it ideal for industrial applications where curved or contoured assets are in use. ID-RFID-UHF-FLEX can be customized printed with bar codes, logos and text and the chip content can be pre-encoded with more information.

Applications
- Deployed production equipment
- Chemical drums
- Beverage kegs

Technical Data

Physical Specifications
- Encasement: Durable Thermoplastic Material
- Size: 48.5 x 38.0 x 9.5 mm (+/- 0.5)
- Weight: 11.2 g

RF Specifications
- Protocol: EPC Class 1 Gen 2
- Frequency Range: Global: 866 - 868 MHz, FCC: 902 - 928 MHz
- Read Range (Fixed reader): Up to 5.0 m
- Read Range (Handheld Reader): Up to 2.5 m
- Material Compatibility: Optimized for Metal
- IC Type (chip): Alien H3
- Memory: EPC - 96bits, User - 512bits, TID - 64bits

Environmental Specification
- Operating Temperature: -40 to +85°C
- Long term max temperature: +85°C
- Long term short temperature: +105°C
- IP Rating: IP 68
- Shock and Vibration: MIL STD 810-F
- Attachment: Industrial Foam Tape
- Certifications: RoHS approved, CE approved, ATEX/IECEx certified (option), US&Canada (C1D1/D2) certified (option)