

## On-Metal Tags UHF

iDTRONIC On-Metal Tags UHF tags are specifically designed for On-Metal applications. They are available in different sizes and form factors to guarantee the best performance for the individual applications.

iDTRONIC On-Metal UHF tags provide an unrivalled performance-to-size ratio, reducing tag size and allowing customers to attach to small metallic assets.

iDTRONIC On-Metal Tags UHF are constructed with robust materials and rated IP68 for high reliability and durability in all types of environments. They integrate the latest IC technology to deliver the industry's best performance and memory size while conforming to EPC Class 1 Gen 2 specifications.



### General features:

- High performance RFID-on metal tags
- IP68 rating for harsh environments
- Passive UHF EPC Class 1 Gen 2

### Product specification:

<b>RF standard:</b>	ISO18000-6C EPC Class 1 Gen 2
<b>Memory:</b>	Standard: NXP UCODE EPC G2XM (512 bits user memory, 64 bits unique TID, 96 bits EPC) Option: TEGO 32/64 kBytes UHF
<b>Frequency:</b>	864-868 MHz (EU) 902-928 MHz (US)

## OM2

The OM2 is the smallest UHF On-metal tag and can be attached to weapons, tools, and medical devices.

### Applications:

- Tool tracking
- Weapon tracking
- Medical device management



### Product Specifications:

<b>Dimensions:</b>	18 x 11 x 5 mm
<b>Weight:</b>	2 g
<b>Read range on-metal:</b>	Up to 2 m @ 2 W ERP
<b>Operating temperature:</b>	-30 °C to +85 °C
<b>Application temperature:</b>	-40 °C to +150 °C
<b>Protection:</b>	IP68
<b>Attachment:</b>	High performance adhesive
<b>Order code:</b>	ST-OM2-UHF

## OM3

The OM3 is the best performing On-metal tag in the industry for its size, with read ranges on metallic assets of up to 6 meters.

### Applications:

- Tool tracking
- WIP conveying equipment
- IT management



### Product Specifications:

<b>Dimensions:</b>	32 x 13 x 5 mm
<b>Weight:</b>	5 g
<b>Read range on-metal:</b>	Up to 6 m @ 2 W ERP
<b>Operating temperature:</b>	-30 °C to +85 °C
<b>Application temperature:</b>	-40 °C to +150 °C
<b>Protection:</b>	IP68
<b>Attachment:</b>	High performance adhesive
<b>Order code:</b>	ST-OM3-UHF

## OM4

The OM4 is well suited to meet shipping and yard management applications where longer read ranges and highly durable tags are required.

### Applications:

- Bulk container tracking
- AGV/small vehicle management
- Post-paint oven baking



### Product Specifications:

<b>Dimensions:</b>	51 x 36.3 x 7.5 mm
<b>Weight:</b>	29 g
<b>Read range on-metal:</b>	Up to 10 m @ 2 W ERP
<b>Operating temperature:</b>	-30 °C to +85 °C
<b>Application temperature:</b>	-40 C to +250 °C
<b>Protection:</b>	IP68
<b>Attachment:</b>	2 rivet holes 3.2 mm, adhesive (optional)
<b>Order code:</b>	ST-OM4-UHF