



<b>IR1 U</b>	<b>UHF</b> ON/OFF Metal	<b>EU 865-868 MHz</b> 18000-6C EPC Class 1 Gen2	<b>116x28x12</b>	<b>Screws/Rivets</b>
<i>Product Code</i>	<i>Usable</i>	<i>Frequency - ISO/IEC</i>	<i>Dimensions mm.</i>	<i>Mounting</i>

UHF ON-Metal Rugged Tag, fixing with screws / rivets, made of resistant rigid pplastic, ON / OFF Metal use.

Available in different versions

Visible label customizable with barcode / QR / Logos - special packaging available also in single kit with adhesive labels with barcode corresponding to the tag.

Product widely used in the waste and general industrial sector

**Typical Applications:** Industrial assets, outdoor applications, waste management

**Services Available:** Pre-encoding chip - Custom layout of printing including logo, text, numbers, QR code, barcode ecc. different color for MOQ

**Available IC/Chip:** Ucode-8, Ucode-7XM+



## Versioni prodotto disponibili

**IR1 U-01R\_U8**

ON-Metal UHF Tag vers. IR1 U-01R made of ABS + PU resin, very resistant for general uses, storage temperature -40 ° / + 80 °C , ON/OFF Metal use

**IR1 U-02R\_U8**

ON-Metal UHF Tag vers. IR1 U-02R made of ASA + PU resin, very resistant to UV rays, storage temperature -40 ° / + 80 °C , ON/OFF Metal use

**IR1 U-03R\_U8**

ON-Metal UHF Tag vers. IR1 U-03R made of Nylof GF + PU resin, very resistant to shocks and chemicals, storage temperature -40 ° / + 120 °C , ON/OFF Metal use

## Available versions and technical features

Product Code:	IR1 U-01R_U8	IR1 U-02R_U8	IR1 U-03R_U8		
Frequency	EU 865-868 MHz	EU 865-868 MHz	EU 865-868 MHz		
ISO Protocol	18000-6C Gen2	18000-6C Gen2	18000-6C Gen2		
IC/Chip	Ucode-8	Ucode-8	Ucode-8		
EPC					
User Memory	0 bits	0 bits	0 bits		
Reading Distance (1)	Up to 5,5 mt	Up to 5,5 mt	Up to 5,5 mt		
Opzional Chip:	Ucode-8, Ucode-7XM+				
Product certifications	RoHS compliant				
Housing Material	ABS + PU resin	ASA + PU Resin	Nylon GF + PU Resin		
Weight grams	25,0	25,0	25,0		
Standard Colors	RAL Yellow	RAL 5002 Medium Blue	RAL 7035 Light Grey		
IP Class Protection	IP68	IP68	IP68		
Operating Temp. C°(2)	-40/+85 °C	-40/+85 °C	-40/+85 °C		
Storage Temp. C° (3)	-40/+80 C°	-40/+80 C°	-40/+110 C°		
Chemical resistance	<b>A</b>	<b>B</b>	<b>C</b>		

(1) With reader 2W ERP - (2) Continuous use - (3) For a short time

Category	Chemical resistance of housing
<b>A</b>	RESISTANT: Water, salt, UV rays (not prolonged), acids (conc. <10%: hydrochloric, sulfuric, tartaric), basic (conc. <10%: ammonia, caustic soda, hydr. Potassium), mineral oils.
<b>B</b>	RESISTANT: Water, salt, UV rays (even prolonged), acids (conc. <10%: hydrochloric, sulfuric, tartaric), basic (conc. <10%: ammonia, caustic soda, hydr. Potassium), mineral oils.
<b>C</b>	RESISTANT: Water, salt, UV rays (not prolonged), acids (conc. <10%: citric, tartaric), basic (conc. <10%: ammonia, caustic soda, hydr. Potassium), hydrocarbons, mineral oils.
<b>D</b>	RESISTANT: Water, salt, UV rays (not prolonged), acids (conc. <10%: citric, tartaric), basic (conc. <10%: ammonia, caustic soda, hydr. Potassium), hydrocarbons, mineral oils.

To check the chemical resistance of the polymers in your process, we recommend that you always carry out a preliminary test with several samples. Download from our website the document "CHEMICAL RESISTANCE OF POLYMERS" or contact our offices for more information.