

Aurora S

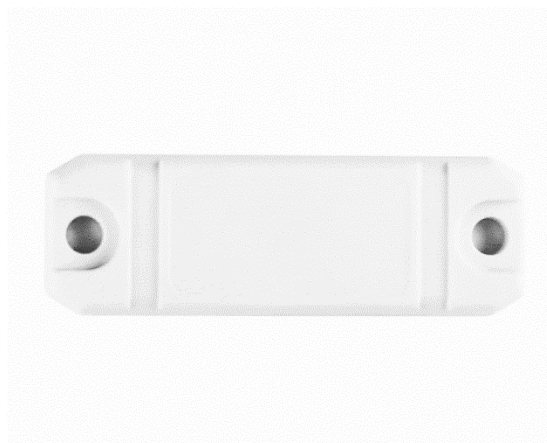
The Aurora S versatile UHF RFID tag is IP68-rated, making it suitable for on metal surface, harsh outdoor environments as well as exposure to water and contaminants. It has a long-read range up to 8 meters and can be attached via a rivet hole, or using a cable tie.

APPLICATIONS

- RTI management
- Production logistics
- Yard management

FEATURES

- Up to 8M read range
- Rivet holes
- Cost-effective
- IP68 rating



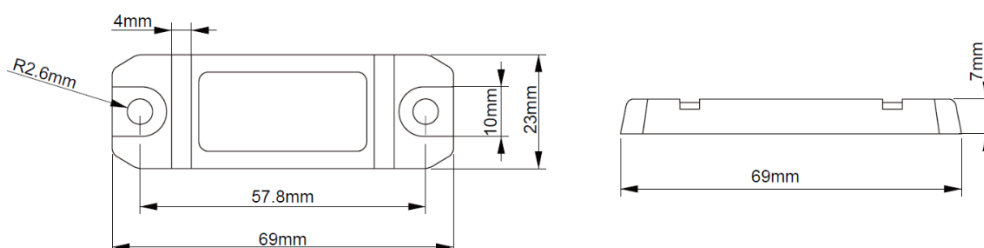
RF Specifications

RF protocol	ISO18000-6C, EPC Class 1 Gen2
Operating frequency	865-868MHz (EU) 902-928MHz (US)
Chip type	UCODE 8
Memory configuration	128-EPC Bits 96 Bit Unique TID
Data retention	50 years at operation temperature
Read range on metal (2W ERP) ¹	Up to 8 M (26.4 ft)
Read range off metal (2W ERP) ¹	Up to 4 M (13.2 ft)
Polarization	Linear

¹ Read ranges are achieved by lab testing methodology, the read range will vary with output power of reader and applications.

Physical Specifications

Tag Materials	Engineering Plastic
Color	White
Dimensions	69 x 23 x 7 mm
Weight	10.8 g



Operations and Environmental Specifications

Operational temperature	-40°F (-40°C) to +185°F (+85°C)
Survivability temperature	-40°F (-40°C) to +185°F (+85°C)
Operational humidity	5% to 95% non-condensing
IP Rating	IP68, 20°C 3.3 ft (1 m) 12 hours tested
Shock and Vibration	MIL STD 810-G
Drop spec	Multiple drops to concrete: 4 ft./1.2 m across the operating temperature range
Chemical resistance: ²	No significant changes after ² :
• Motor oil exposure	• 168 hours
• Salt water (salinity 15%) exposure	• 48 hours
• Sulfuric acid (10%, pH 2) exposure	• 48 hours
• NaOH (10%, pH 13) exposure	• 48 hours

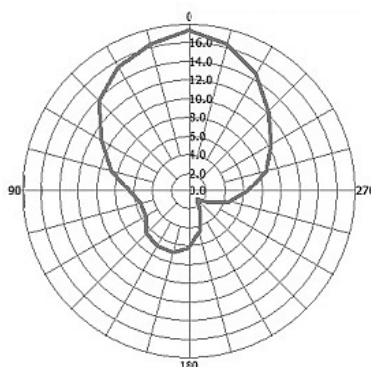
²The chemical resistance is based on the concentration of solutions and application environment, please contact us for further details on chemical.

Mounting System

Mechanical fixings (Std)	<ul style="list-style-type: none">• Screws• Pop rivets• Cable tie
Adhesive fixings	<ul style="list-style-type: none">• Foam Tape• Adhesive

Radiation Pattern

On metal



Order Information

WJT-P0410-1	Aurora S EU
WJT-P0410-2	Aurora S US

Others

Options	Laser engraving, Per-Encoding Labelling, Logo Printing
Warranty	1 year

The performance of the product should always be tested in the actual application conditions. Our recommendations are based on our most current knowledge and experience and the pictures and illustrations presented in this document are for illustration purposes only. As our products are used in conditions beyond our control, we cannot assume any liability for damage caused through their use.

