

Ario™ 370-S SDM, SM, DM HF Tags



TAGSYS designs and manufactures a comprehensive multi-band RFID infrastructure for item-level tracking in a variety of industries. This universal infrastructure includes purpose-built readers and tags, as well as RFID management software, all designed to work together seamlessly in the most demanding environments. TAGSYS products automate labor-intensive processes, authenticates and safeguards goods, and enables real-time inventory and asset visibility.

With a proven track record of delivering reliable, high performance production systems, TAGSYS has deployed over 200 million tags and 90,000 reader systems to over 500 customers in more than 40 countries.

TAGSYS RFID solutions are currently deployed in a range of highly specialized vertical markets that include: Libraries, Textile Services, Pharmaceutical, and Fashion/Apparel.

The company is headquartered in Massachusetts with offices and R&D Centers in France and in Hong Kong.

TAGSYS rugged high frequency (HF) Ario™ tags are specifically designed for industrial applications that require RFID tags that can withstand harsh environmental conditions. The Ario SDM, SM, and DM tags are all available as cingulated modules.

INDUSTRY'S MOST RUGGEDIZED TAG

The Ario product line is designed to withstand stringent environmental conditions. They are robust enough to be embedded, encapsulated, injected into, or affixed directly onto products that are subjected to extreme processes.

SMALL SIZE - HIGH PERFORMANCE

Utilizing a patented antenna manufacturing process, the Ario product line encompasses some of the smallest size tags available for item-level track and trace applications.

ARIO™ SDM, SM, DM FEATURE SUMMARY

- Small, high-performing tags
- Cingulated module tags ideal for encapsulation, plastic injection molding or asset tracking in disk format

Ario™ 370-S SDM, SM, DM HF Tags



Image not to scale

ARIO™ 370S-SDM

- Smallest tag available
- Ideal for encapsulation into small items such as pharmaceutical vials
- Chips Available: ISO 15693 (SLI-S)
- Formats Available: Cingulated module

General

Diameter	8.9mm (0.35in)
Thickness	1mm (0.03in)
Material	Epoxy
Weight	< 60 mg



Image not to scale

ARIO™ 370S-SM

- High performance coupled with a compact form factor
- Form factor ideal for plastic injection molding into item-level packaging
- Chips Available: ISO 15693 (SLI-S)
- Formats Available: Cingulated module

General

Diameter	13.5mm x 13.5mm (0.53in x 0.53in)
Thickness	<1mm (0.03in)
Material	Epoxy
Weight	< 100 mg



Image not to scale

ARIO™ 370S-DM

- Ideal for asset tracking applications requiring a disk format
- Chips Available: ISO 15693 (SLI-S)
- Formats Available: Cingulated module

General

Diameter	Inner: 11mm (0.43in) Outer: 26mm (1.02in)
Thickness	≤ 0.9mm
Material	Epoxy
Weight	< 100 mg

Ario HF Tag Family Product Specifications

Electrical	<ul style="list-style-type: none"> • Carrier Frequency: 13.56MHz • Operation Mode: Passive (battery-less transponder)
Operating Temperature Range	• -40 +85C (-40 +185F)
Storage Temperature Range	• -40 +125C (-40 +257F)
Protection Class	• IP67

IC Specifications

Operating Protocol	• ISO 15693, ISO 18000-3-1
Memory	<ul style="list-style-type: none"> • 1280 user bits • 64 UID bits • Read/Write, Lockable

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TAGSYS RFID™
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