

ARIO SMART LABELS

SMALLEST, THINNEST AND MOST RESISTANT RFID SMART LABELS


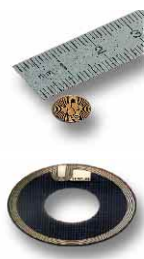
Ario™ smart labels operate at 13.56MHz and are specifically designed to withstand harsh industrial environments.

Small and thin, they can be easily embedded and affixed to products, enabling discrete and reliable identification in the most challenging situations.

A smart label consists of an electronic chip connected to a small etched antenna. Passive smart labels are powered by a RFID reader.

Ario smart labels are available with different electronic chips and come in several shapes and sizes to meet various application requirements. Millions of Ario smart labels are already in use worldwide in applications for the traceability of assets such as industrial garments, containers and crates, medical equipment, waste bins, gas cylinders and processed foods.

Technical Specifications:

	Name	Description/Application	Dimensions Size (mm) Thickness (mm)	Read-only (64 bits)	Read / Write (2kbits)	Read / Write, Anti Collision (73bits)
 SQUARE	SM Small Module	To be integrated into different products (over-molded, injected, laminated, glued, etc...)	13.6 x 13.9 ≤ 1	Ario 10-SM Reading distance: Up to 30 cm (12 inches)	Ario 40-SM Reading distance: Up to 25 cm (13 inches)	Ario 20-SM Reading distance: Up to 15 cm (6 inches)
	LM Large Module		27.85 x 28.6 ≤ 0.9	Ario 10-LM Reading distance: Up to 50 cm (20 inches)	Ario 40-LM Reading distance: Up to 40 cm (16 inches)	Ario 20-LM Reading distance: Up to 35 cm (14 inches)
	SL Small Laundry	Encapsulated in rigid plastic to withstand high mechanical and environmental stresses	17 x 17 ≤ 1.75	Ario 10-SL Reading distance: Up to 20 cm (8 inches)	Ario 40-SL Reading distance: Up to 20 cm (8 inches)	Ario 20-SL Reading distance: Up to 15 cm (6 inches)
 ROUND	SDM Small Disk Module	Very small size for easy integration into dense/light-weight items	diameter: 8.9 ≤ 0.62	Ario 10-SDM Reading distance: Up to 5 cm (2 inches)	Ario 40-SDM Reading distance: Up to 3 cm (1.2 inches)	
	DM Disk Module	Outside round shape with central hole for easy fixation (i.e. with rivet,...)	inner diameter: 11 outer diameter: 25 ≤ 0.62	Ario 10-DM Reading distance: Up to 45 cm (18 inches)	Ario 40-DM Reading distance: Up to 35 cm (14 inches)	Ario 20-DM Reading distance: Up to 30 cm (12 inches)

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