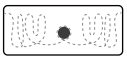
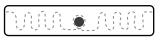
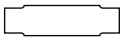


Product Guide:
RFID Laundry Tag

https://www.rfidtag.com

UHF Laundry Tags – 200+ Wash Cycles

SKU	Design	Dimensions (mm)	Chip Type	EPC Memory	TID Memory	Operating Temperature
Silicone Laundry Tags						
AZ-M4QT-LTWS-5512		55×12×2.5	Impinj® Monza® 4QT	128 bits	96 bits	-40~+85°C
PPS Laundry Tags						
AZ-U7M-LTPPS-D18		Diameter 18, thickness 2.8	NXP® UCODE® 7	128 bits	96 bits	-25~+110°C
AZ-U7M-LTPPS-D20		Diameter 20, thickness 2.6	NXP® UCODE® 7	128 bits	96 bits	-25~+110°C
Textile Laundry Tags						
AZ-U9-LTW-3515		35×15×1.76	NXP® UCODE® 9	96 bits	96 bits	-25~+110°C
AZ-U9-LTW-5815		58×15×1.5	NXP® UCODE® 9	96 bits	96 bits	-25~+110°C
AZ-U9-LTW-7010		70×10×1.76	NXP® UCODE® 9	96 bits	96 bits	-25~+110°C
AZ-U9-LTW-7015		70×15×1.5	NXP® UCODE® 9	96 bits	96 bits	-25~+110°C
AZ-U9-LTWH-7015		70×15×1.5	NXP® UCODE® 9	96 bits	96 bits	-25~+110°C
AZ-U9-LTW-7512		75×12×1.5	NXP® UCODE® 9	96 bits	96 bits	-25~+110°C
AZ-U9-LTW-7515-D5		75×15×1.5	NXP® UCODE® 9	96 bits	96 bits	-25~+110°C
AZ-U9-LTW-7515		75×15×1.5	NXP® UCODE® 9	96 bits	96 bits	-25~+110°C
AZ-U9-LTWH-7515		75×15×1.5	NXP® UCODE® 9	96 bits	96 bits	-25~+110°C
AZ-U9XE-TXT-7015		70×15	NXP® UCODE® 9xe	128 bits	96 bits	-20~+85°C

Anti-Gamma Ray Laundry Tags						
AZ-ATG-LTW-7015		70×15×1.5	/	128 bits	/	-25~+110°C
Printable Laundry Tags(Packed in Rolls)						
AZ-U9XE-PES-7022		70×22	NXP® UCODE® 9xe	128 bits	96 bits	-20~+85°C
AZ-U9XE-HPPES-7022		70×22	NXP® UCODE® 9xe	128 bits	96 bits	-20~+85°C

NFC Silicone Garment Badge – 50+ Washes & Dries

SKU	Design	Dimensions (mm)	Chip Type	User Memory	Operating Temperature
AZ-424-SI-D25		Diameter 25 mm, thickness 1 mm	NXP® NTAG® 424 DNA	416 bytes	-40°C~+100°C
AZ-213-SI-D25		Diameter 25 mm, thickness 1 mm	NXP® NTAG® 213	144 bytes	-40°C~+100°C

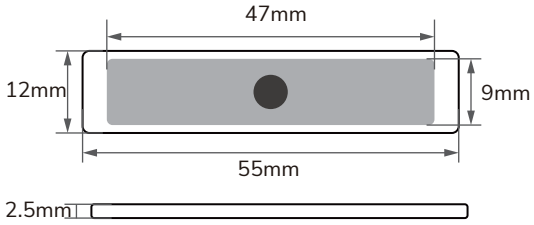
*The products shown above are our popular styles. Dimensions and chips can be fully customized upon request.

RFID Silicone Laundry Tag

AZ-M4QT-LTWS-5512



Material	Silicone
Dimension	55×12×2.5 mm
Weight	1.94 g
Chip Type	Impinj Monza® 4QT
EPC Memory	128 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Put it inside the cloth bag and sew it
Reading Distance	Handheld Reader (30dbi power): Over 7 meters

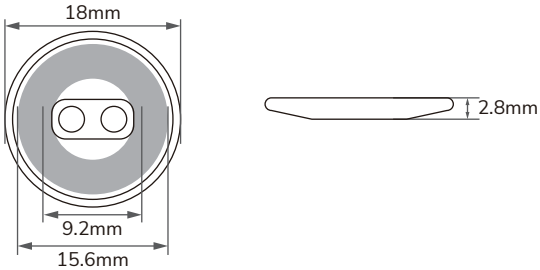


RFID PPS Laundry Tag

AZ-U7M-LTPPS-D18



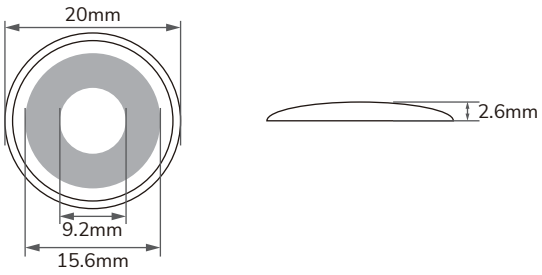
Material	PPS and high temperature resistant epoxy adhesive
Dimension	Diameter 18 mm, thickness 2.8 mm (±0.2 mm)
Weight	0.91 g
Chip Type	NXP UCODE® 7m
EPC Memory	128 bits
TID Memory	96 bits, including 48 bits unique serial number
Frequency	902-928MHz (or customized)
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Double-hole sewing installation
Reading Distance	Fixed Reader (4W EIRP): Over 1.5 meters Handheld Reader (30dbi power): 1 meter



AZ-U7M-LTPPS-D20

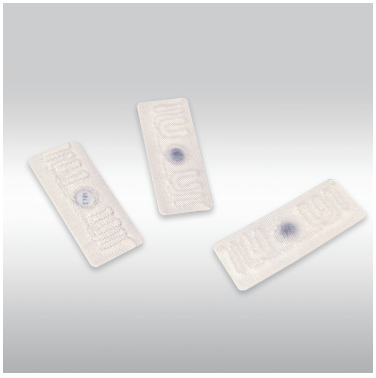


Material	PPS and high temperature resistant epoxy adhesive
Dimension	Diameter 20mm, thickness 2.6mm (±0.2mm)
Weight	1.28g
Chip Type	NXP UCODE® 7m
EPC Memory	128-bit
TID Memory	96-bit, including 48-bit unique serial number
Frequency	902-928MHz (or customized)
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Put it inside the cloth bag and sew it
Reading Distance	Fixed Reader (4W EIRP): Over 0.4 meters Handheld Reader (30dbi power): 0.1 meter

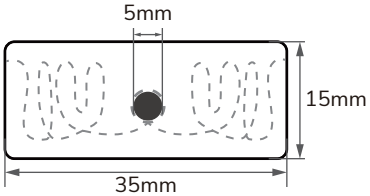


RFID Textile Laundry Tag

AZ-U9-LTW-3515



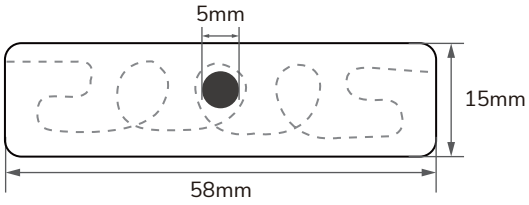
Material	Textile
Dimension	35×15×1.76 mm
Weight	About 0.5 g
Chip Type	NXP UCODE® 9
EPC Memory	96 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing)
Reading Distance	Fixed Reader (2W ERP): Over 6 meters Handheld Reader (30dbi power): Over 3.5 meters
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 4.38 Kg/carton



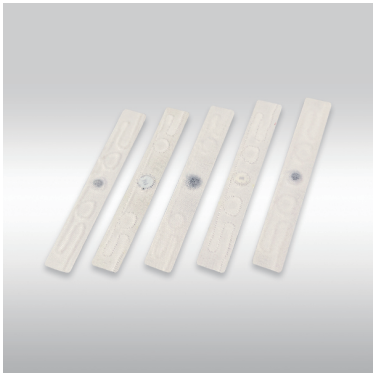
AZ-U9-LTW-5815



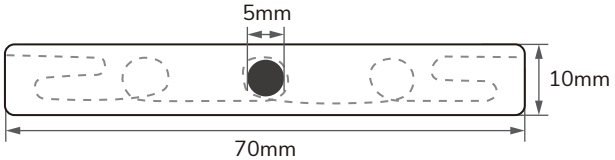
Material	Textile
Dimension	58×15×1.5 mm
Weight	About 0.5 g
Chip Type	NXP UCODE® 9
EPC Memory	96 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing)
Reading Distance	Fixed Reader (2W ERP): Over 8 meters Handheld Reader (30dbi power): Over 5 meters
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 5.38 Kg/carton



AZ-U9-LTW-7010



Material	Textile
Dimension	70×10×1.76 mm
Weight	About 0.6 g
Chip Type	NXP UCODE® 9
EPC Memory	96 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing)
Reading Distance	Fixed Reader (2W ERP): Over 10 meters Handheld Reader (30dbi power): Over 5 meters
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 5.38 Kg/carton



AZ-U9-LTW-7015

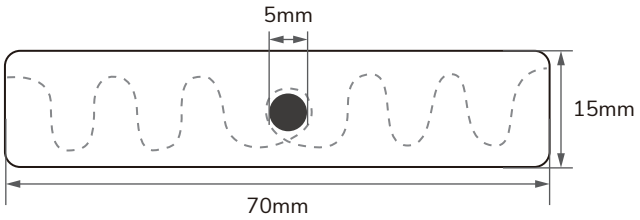


Material	Textile
Dimension	70×15×1.5 mm
Weight	About 0.62 g
Chip Type	NXP UCODE® 9
EPC Memory	96 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing)
Reading Distance	Fixed Reader (2W ERP): Over 10 meters Handheld Reader (30dbi power): Over 7 meters
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 6.18 Kg/carton

AZ-U9-LTWH-7015



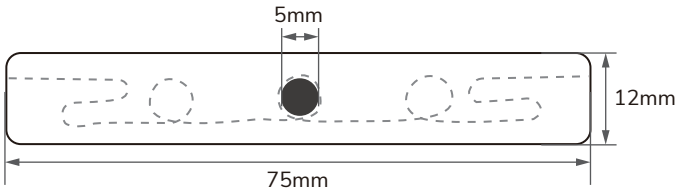
Material	Textile
Dimension	70×15×1.5 mm
Weight	About 0.62 g
Chip Type	NXP UCODE® 9
EPC Memory	96 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	**Method 1:** Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing) **Method 2:** Heat transfer at 218°C for 15 seconds with 0.4-0.6 MPa pressure. Optimal results occur at 218°C for 15-20 seconds. Below 210°C or under 0.6 MPa, performance may suffer.
Reading Distance	Fixed Reader (2W ERP): Over 10 meters Handheld Reader (30dbi power): Over 7 meters
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 5.38 Kg/carton



AZ-U9-LTW-7512



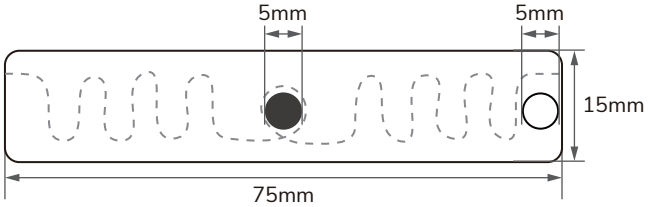
Material	Textile
Dimension	75×12×1.5 mm
Weight	About 0.46 g
Chip Type	NXP UCODE® 9
EPC Memory	96 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing)
Reading Distance	Fixed Reader (2W ERP): Over 8 meters Handheld Reader (30dbi power): Over 5 meters
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 5.38 Kg/carton



AZ-U9-LTW-7515-D5



Material	Texitle + Metallic Ring
Dimension	75×15×1.5 mm with hole (diameter 5 mm)
Weight	About 0.65 g
Chip Type	NXP UCODE® 9
EPC Memory	96 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Hanging on the cloth
Reading Distance	Fixed Reader (2W ERP): Over 10 meters Handheld Reader (30dbi power): Over 7 meters
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 6.18 Kg/carton



AZ-U9-LTW-7515

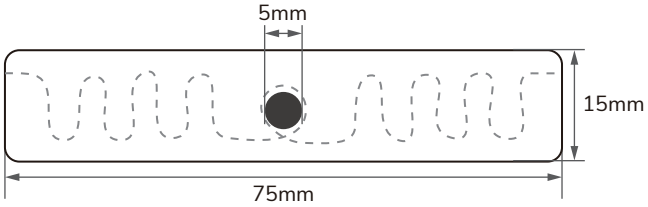


Material	Textile
Dimension	75×15×1.5 mm
Weight	About 0.65 g
Chip Type	NXP UCODE® 9
EPC Memory	96 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing)
Reading Distance	Fixed Reader (2W ERP): Over 10 meters Handheld Reader (30dbi power): Over 7 meters
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 6.18 Kg/carton

AZ-U9-LTWH-7515



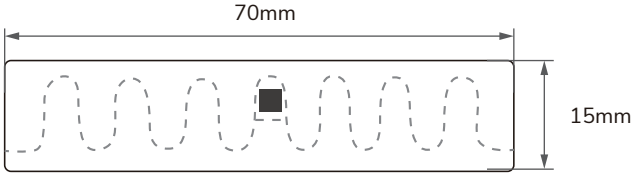
Material	Textile
Dimension	75×15×1.5 mm
Weight	About 0.57 g
Chip Type	NXP UCODE® 9
EPC Memory	96 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	**Method 1:** Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing) **Method 2:** Heat transfer at 218°C for 15 seconds with 0.4-0.6 MPa pressure. Optimal results occur at 218°C for 15-20 seconds. Below 210°C or under 0.6 MPa, performance may suffer.
Reading Distance	Fixed Reader (2W ERP): Over 10 meters Handheld Reader (30dbi power): Over 7 meters
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 5.38 Kg/carton



AZ-U9XE-TXT-7015



Material	Texitle
Dimension	70×15 mm
Weight	0.4 g
Chip Type	NXP® UCODE® 9xe
EPC Memory	128 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Sewn into the hem, or sewn-in pouch (do not sew onto the metal wire or chip module during sewing)
Reading Distance	Fixed Reader (2W ERP): US: > 14 m; EU: > 14 m Handheld Reader: US: > 13.5 m; EU: > 9.5 m

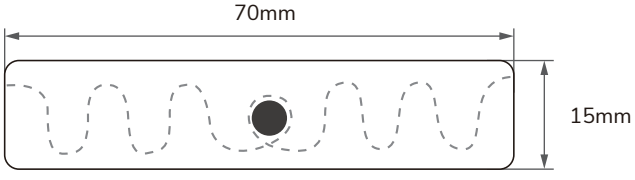


Anti-Gamma Ray Laundry Tags

AZ-ATG-LTW-7015



Material	Texitle
Dimension	70×15×1.5 mm
Weight	0.6 g
EPC Memory	128 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Sewn into the hem, or sewn-in pouch (do not sew onto the metal wire or chip module during sewing)
Reading Distance	Up to 5 m (ERP = 2W) Up to 2 m (With iData T2 UHF handheld reader)
Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 6.324 kg/carton



Printable Laundry Tags(Packed in Rolls)

AZ-U9XE-PES-7022

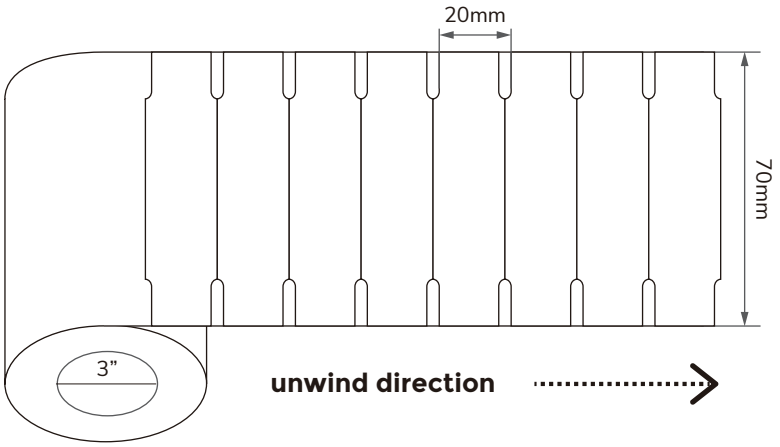


Material	Polyester
Dimension	70×22 mm
Chip Type	NXP® UCODE® 9xe
EPC Memory	128 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Direct stitching
Reading Distance	2W ERP: US: >7.5 m , EU: >5.8 m Handheld Reader: US: >9.0M , EU: >7.5 m
Printing	Direct Printing with RFID Printers
Packing Quantity	1000 pcs/roll, per roll 1 kg.

AZ-U9XE-HPPES-7022



Material	Polyester + Adhesives
Dimension	70×22 mm
Chip Type	NXP® UCODE® 9xe
EPC Memory	128 bits
TID Memory	96 bits
Frequency	860-960MHz
Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Mounting Method	Direct stitching or heat pressing: 210°C, 0.6-0.8 MPa heat pressing 20 seconds
Reading Distance	2W ERP: US: >7.5 m , EU: >5.8 m Handheld Reader: US: >9.0M , EU: >7.5 m
Printing	Direct Printing with RFID Printers
Packing Quantity	1000 pcs/roll, per roll 1 kg.

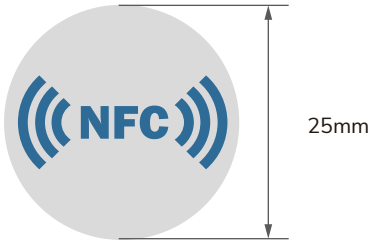


NFC Garment Badge

AZ-424-SI-D25



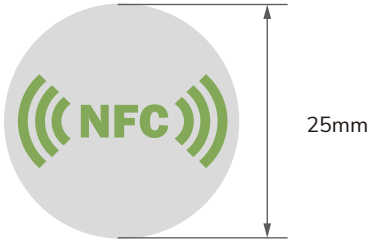
Material	Silicon
Dimensions	Diameter 25 mm, thickness 1 mm
Weight	0.35 g
Chip Type	NXP® NTAG® 424 DNA
User Memory	416 bytes
Frequency	13.56 MHz
Protocol	ISO/IEC 14443-A, NFC Forum Type 4
Mounting Method	Secure the badge onto the garment and apply heat for a duration of 8-12 seconds at a temperature range of 155-170°C. Subsequently, press heat onto the reverse side of the garment for an additional 10-15 seconds under the same temperature conditions.
Reading Distance	Up to 10 cm



AZ-213-SI-D25



Material	Silicon
Dimensions	Diameter 25 mm, thickness 1 mm
Weight	0.35 g
Chip Type	NXP® NTAG® 213
User Memory	144 bytes
Frequency	13.56 MHz
Protocol	ISO/IEC 14443-A, NFC Forum Type 2
Mounting Method	Secure the badge onto the garment and apply heat for a duration of 8-12 seconds at a temperature range of 155-170°C. Subsequently, press heat onto the reverse side of the garment for an additional 10-15 seconds under the same temperature conditions.
Reading Distance	Up to 10 cm



https://rfidtag.com
sales@rfidtag.com
Singapore Office: 51 Goldhill Plaza #07-07 Singapore 308900
Shenzhen Office: 33-408, Qianhai SZ-HK Fund Town, Nanshan, Shenzhen, China 518052
Shenzhen Factory: Q5, XingDao Industrial Park, LongGang, Bantian, Shenzhen, China 518129