

Product Guide

Embeddable
 Global Frequency
 High Temp
 Autoclavable
 User Memory
 Long Range

Series	Metal Skin® series - durable labels					
Product						
	Metal Skin® Mercury	Metal Skin® Mercury R6P	Metal Skin® Mercury 86 Max	Metal Skin® Mercury 95 Max	Metal Skin® Delta	Metal Skin® Delta U8
Part Number (P/N)	X51A0-US100-U9 (US) X51A0-EU100-U9 (EU)	X1040-US011-R6P (US)	X8654-US011-R6P (US)	X9522-US011-U8 (US) X9522-EU011-U8 (EU)	X8020-US100-R6P (US) X8020-EU100-R6P (EU)	X8040-US011-U8 (US) X8040-EU011-U8 (EU)
Frequency	902-928 MHz (US) 865-868 MHz (EU)	902-928 MHz (US)	902-928 MHz (US)	902-928 MHz (US) 865-868 MHz (EU)	902-928 MHz (US) 865-868 MHz (EU)	902-928 MHz (US) 865-868 MHz (EU)
IC type	NXP UCODE 9	Impinj Monza R6-P	Impinj Monza R6-P	NXP UCODE 8	Impinj Monza R6-P	NXP UCODE 8
Chip memory	96 bits TID 96 bits EPC	48 bits TID 128/96 bits EPC 32/64 bits user memory	48 bits TID 128/96 bits EPC 32/64 bits user memory	96 bits TID 128 bits EPC	48 bits TID 128/96 bits EPC 32/64 bits user memory	96 bits TID 128 bits EPC
Read range on metal (fixed)	Up to 26.25 ft (8 m)	Up to 26.25 ft (8 m)	Up to 62.34 ft (19 m)	Up to 52.49 ft (16 m)	Up to 14.76 ft (4.50 m)	Up to 36.09 ft (11 m)
Read range off metal (fixed)	Up to 19.69 ft (6 m)	Limited	Up to 45.93 ft (14 m)	Limited	Limited	Up to 19.69 ft (6 m)
Material	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock
Mounting systems	Industrial adhesive	Industrial adhesive	Industrial adhesive	Industrial adhesive	Industrial adhesive	Industrial adhesive
Operational temperatures	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Survival temperatures	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Compression strength	92 psi (634 kPa)	-	-	-	355 psi (2,450 kPa)	-
IP rating	IP68	IP68	IP68	IP68	IP68	IP68
Dimensions	4 x 1.50 x 0.04 in (101.60 x 38 x 1 mm)	3.94 x 1.57 x 0.04 in (100 x 40 x 1 mm)	3.39 x 2.13 x 0.05 in (86 x 54 x 1.25 mm)	3.74 x 0.87 x 0.04 in (95 x 22 x 1.25 mm)	3.15 x 0.79 x 0.04 in (80 x 20 x 1 mm)	3.15 x 1.57 x 0.04 in (80 x 40 x 1 mm)
Weight	Reel: 1.98lbs (0.90 kg)	Reel: 2.65lbs (1.20 kg)	Reel: 1.65lbs (0.75 kg)	Reel: 2.20lbs (1 kg)	Reel: 1.76 lbs (0.80 kg)	Reel: 1.76 lbs (0.80 kg)
Applications	Global supply chain Logistics Datacenter servers E-commerce	Global supply chain Logistics Datacenter servers E-commerce	Reusable packaging and containers Global supply chain Logistics WIP inventory	Reusable packaging and containers Global supply chain Logistics WIP inventory	Data centers IT asset management Manufacturing WIP Automated inventory	Data centers IT asset management Manufacturing WIP Automated inventory

Product Guide

Embeddable
 Global Frequency
 High Temp
 Autoclavable
 User Memory
 Long Range

Series	Metal Skin® series - durable labels					
Product	 Metal Skin® Platinum	 Metal Skin® Platinum R6P	 Metal Skin® Platinum 55 Universal	 Metal Skin® Platinum 60 Max	 Metal Skin® Platinum 60 Tamper	 Metal Skin® Platinum 64 Slim
Part Number (P/N)	X50A3-US011-U9 (US) X50A3-EU011-U9 (EU)	X6025-US011-R6P (US) X6025-EU011-R6P (EU)	X5515-US011-U8 (US)	X6025-US011-U8 (US)	X6025-UST11-U9 (US) X6025-EUT11-U9 (EU)	X6406-US011-U8 (US) X6406-EU011-U8 (EU)
Frequency	902-928 MHz(US) 865-868 MHz (EU)	902-928 MHz(US) 865-868 MHz (EU)	902-928 MHz(US)	902-928 MHz(US)	902-928 MHz(US) 865-868 MHz (EU)	902-928 MHz(US) 865-868 MHz (EU)
IC type	NXP UCODE 9	Impinj Monza R6-P	NXP UCODE 8	NXP UCODE 8	NXP UCODE 9	NXP UCODE 8
Chip memory	96 bits TID 96 bits EPC	48 bits TID 128/96 bits EPC 32/64 bits user memory	96 bits TID 128 bits EPC	96 bits TID 128 bits EPC	96 bits TID 96 bits EPC	96 bits TID 128 bits EPC
Read range on metal (fixed)	Up to 16.40 ft (5 m)	Up to 16.40 ft (5 m)	Up to 24.28 ft (7.40 m)	Up to 31.17 ft (9.50 m)	Up to 18.04 ft (5.50 m)	Up to 13.12 ft (4 m)
Read range off metal (fixed)	Up to 6.56 ft (2 m)	Up to 6.56 ft (2 m)	Up to 11.48 ft (3.50 m)	Up to 6.56 ft (2 m)	Limited	Up to 14.76 ft (4.5 m) on liquid
Material	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock
Mounting systems	Industrial adhesive	Industrial adhesive	Industrial adhesive	Industrial adhesive	Industrial adhesive	Industrial adhesive
Operational temperatures	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Survival temperatures	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +248°F (-40°C to +120°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Compression strength	14 psi (97 kPa)	-	-	-	-	-
IP rating	IP68	IP68	IP68	IP68	IP68	IP68
Dimensions	2.30 x 0.75 x 0.04 in (58.50 x 19 x 1 mm)	2.36 x 0.98 x 0.04 in (60 x 25 x 1 mm)	2.17 x 0.59 x 0.05 in (55 x 15 x 1.25 mm)	2.36 x 0.98 x 0.04 in (60 x 25 x 1 mm)	2.36 x 0.98 x 0.05 in (60 x 25 x 1.25 mm)	2.52 x 0.24 x 0.04 in (64 x 6 x 1 mm)
Weight	Reel: 1.32 lbs (0.60 kg)	Reel: 1.76 lbs (0.80 kg)	Reel: 1.65 lbs (0.75 kg)	Reel: 1.76 lbs (0.80 kg)	Reel: 1.76 lbs (0.80 kg)	Reel: 1.32 lbs (0.60 kg)
Applications	Industrial supply chain RTI management Warehouse automation Automated inventory	Industrial supply chain RTI management Warehouse automation Automated inventory	IT assets tracking Data center management Electronics devices	Reusable packaging and containers Automated warehouse MRO parts and components VIP inventory	High-value assets tracking Hospital equipment MRO parts and components	Data centers Cosmetics management Electronic devices

Product Guide

 Embeddable
  Global Frequency
  High Temp
  Autoclavable
  User Memory
  Long Range

Series	Metal Skin® series - durable labels				
Product	 Metal Skin® Titanium	 Metal Skin® Titanium 48 Liquid	 Metal Skin® Titanium 30 Smallest	 Metal Skin® Titanium 25 Lasso	 Metal Skin® Titanium 25 HF
Part Number (P/N)	X5220-US100-U9 (US) X5220-EU100-U9 (EU)	X4804-EU011-U8 (EU)	X3006-US011-U9xe (US) X3006-EU011-U9xe (EU)	X6813-GL011-U9 (Global)	X2525-HF011-FM1108 (HF)
Frequency	902-928 MHz(US) 865-868 MHz (EU)	865-868 MHz (EU)	902-928 MHz(US) 865-868 MHz (EU)	860-960 MHz (Global) 	13.56 MHz (HF)
IC type	NXP UCODE 9	NXP UCODE 8	NXP UCODE 9xe	NXP UCODE 9	FM1108
Chip memory	96 bits TID 96 bits EPC	96 bits TID 128 bits EPC	96 bits TID 128 bits EPC	96 bits TID 96 bits EPC	64 bits
Read range on metal (fixed)	Up to 8.20 ft (2.50 m)	Up to 6.56 ft (2 m) on metal	Up to 5.91 ft (1.80 m)	Up to 26.25 ft (8 m)	Up to 0.16 ft (0.05 m)
Read range off metal (fixed)	Up to 3.28 ft (1 m)	Up to 3.28 ft (1 m) Up to 16.40 ft (5 m) on liquid	Up to 2.95 ft (0.90 m)	Limited	Limited
Material	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock	White thermal transfer face stock
Mounting systems	Industrial adhesive	Industrial adhesive	Industrial adhesive	Industrial adhesive	Industrial adhesive
Operational temperatures	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Survival temperatures	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Compression strength	58 psi (400 kPa)	-	-	-	-
IP rating	IP68	IP68	IP68	IP68	IP68
Dimensions	1.77 x 0.22 x 0.04 in (45 x 5,60 x 1 mm)	1.89 x 0.16 x 0.04 in (48 x 4 x 1 mm)	1.18 x 0.24 x 0.04 in (30 x 6 x 1 mm)	2.68 x 0.51 x 0.04 in (68 x 13 x 1 mm)	ø 0.98 x 0.04 in (ø 25 x 1 mm)
Weight	Reel: 0.88 lbs (0.40 kg)	Reel: 1.76 lbs (0.80 kg)	Reel: 0.66 lbs (0.30 kg)	Reel: 4.28 lbs (1.94 kg)	Reel: 0.84 lbs (0.38 kg)
Applications	Product authentication IT asset and laptop tracking Radio and mobile equipment Foil-based packaging tracking	Food and beverage Medicines and pharmacy Liquid bottles and containers	IT asset and laptop tracking Electronic devices MRO parts and components	Jewelry management High-value item tracking Inventory management	IT asset management Warehouse management Automotive components tracking Equipment&device tracking