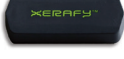


Product Guide

	Rugged Line					Embeddable Line for Source Tagging and Extreme Conditions			Flexible Metal Label Line		
Series	X II / Pico Plus Series			XS Series		iN Series	XS Series		Metal Skin™ Series		
Product			 PicoX II Plus/ Pico On Plus								
	MicroX II	NanoX II		Dash-On XS	Dot-On XS	Pico-iN Plus	Dash-iN XS	Dot-iN XS	Mercury Metal Skin	Platinum Metal Skin	Titanium Metal Skin
Operating frequency	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	860-960 MHz (Global)	902-928 MHz (US) 865-868 MHz (EU)	902-928 MHz (US) 865-868 MHz (EU)
IC type	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Impinj Monza 4E	Alien higgs4	Impinj Monza M5
Memory configuration	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480 bits (512 bits user memory), 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	48-bit serialized TID, 496 EPC bits, 128-bit user memory	128 bits user memory, 128 bits EPC, 96 bits TID	48-bit serialized TID, 128 EPC bits
Read range on metal (2W ERP)	Up to 33 ft (10 m)	Up to 20 ft (6 m)	Up to 10 ft (3 m);	Up to 6.6 ft (2 m)	Up to 5 ft (1.5 m)	Up to 6.6 ft (2 m) when embedded	Up to 5 ft (1.5 m) when embedded	Up to 3 ft (1 m) when embedded	Up to 13 ft (4 m)	Up to 6.6 ft (2 m)	Up to 4 ft (1.2 m)
Read range off metal	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Up to 16 ft (5 m)	Up to 3.9 ft (1.2 m)	Up to 4 ft (1.2 m)
Case material	Engineering grade nylon polymer	Engineering grade nylon polymer	Engineering grade nylon polymer/ Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Not applicable	Not applicable	Not applicable
Mounting system	Rivet hole, ø 0.12 in (3.2 mm); adhesive (optional)	High performance adhesive	High performance adhesive	Epoxy	Epoxy	Epoxy, embedded	Epoxy, embedded	Epoxy, embedded	High performance adhesive	High performance adhesive	High performance adhesive
Operating temperature	-22°F to +185°F (-30°C to +85°C)	-22°F to +185°F (-30°C to +85°C)	-22°F to +185°F (-30°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-22°F to +185°F (-30°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)
Application temperature	-40°F to +482°F (-40°C to +250°C)	-40°F to +302°F (-40°C to +150°C)	-40°F to +302°F (-40°C to +150°C)	-40°F to +302°F (-40°C to +150°C)	-40°F to +302°F (-40°C to +150°C)	-40°F to +302°F (-40°C to +150°C)	-40°F to +302°F (-40°C to +150°C)	-40°F to +302°F (-40°C to +150°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	181 psi (1250 kPa)	166.8 psi (1150 kPa)	174 psi (1200 kPa) / 170 psi (1176 kPa)	790 psi (5447kPa)	790 psi (5447kPa)	Packaging dependent	Packaging dependent	Packaging dependent	92 psi (634 kPa)	14 psi (97 kPa)	58 psi (400 kPa)
IP classification	IP68	IP68	IP68	IP68	IP68	IP68	IP68	IP68	Not applicable	Not applicable	Not applicable
Dimensions	2.01 x 1.43 x 0.30 in (51 x 36.3 x 7.5 mm)	1.25 x 0.51 x 0.20 in (31.7 x 12.8 x 4.8 mm)	0.70 x 0.43 x 0.2 in (17.7 x 10.9 x 5 mm) / 0.47 x 0.28 x 0.13 in (12 x 7 x 3.2 mm)	0.48 x 0.12 x 0.09 in (12.3 x 3 x 2.2 mm)	ø 0.24 x 0.1 in (ø 6 x 2.5 mm)	0.47 x 0.28 x 0.12 in (12 x 7 x 3 mm)	0.48 x 0.12 x 0.09 in (12.3 x 3 x 2.2 mm)	ø 0.24 x 0.1 in (ø 6 x 2.5 mm)	Label: 4 x 1.5 x 0.03 in (101.6 x 38 x 0.76 mm)	Label: 2.28 x 0.75 x 0.03 in (58 x 19 x 0.8 mm)	Label: 1.77 x 0.22 x 0.03 in (45 x 5.6 x 0.86 mm)
Weight	0.92 oz (26 g)	0.18 oz (5 g)	0.07 oz (2 g) / 0.05 oz (1.4 g)	0.016 oz (0.44 g)	0.012 oz (0.34 g)	0.05 oz (1.4 g)	0.016 oz (0.44 g)	0.012 oz (0.34 g)	Reel: 4.85 lbs (2.2 kg)	Reel: 3.53 lbs (1.6 kg)	Reel: 2.54 lbs (1.15 kg)
Suggested applications	Bulk container tracking, vehicle tracking, post-paint oven baking, medical equipment tracking	Tool tracking, WIP conveying equipment, IT/telecom management, instrument tracking, weapons tracking	Tool tracking, weapon tracking, medical device management, instrument tracking	Instrument tracking, tool tracking, medical device management, source tagging	Instrument tracking, tool tracking, medical device management, source tagging	IT and laptop tracking, tool tracking, embedded bolt identification, weapons tracking	Instrument tracking, tool tracking, medical device management, source tagging	Instrument tracking, tool tracking, medical device management, source tagging	Product authentication, IT asset tracking, global supply chain, cylinder tracking, foil-based packaging	Housewares, electronic equipment, computer and laptops, cosmetics, foil-based packaging	Product authentication, IT asset and laptop tracking, radio and mobile equipment, foil-based packaging

Product Guide

Series	Versatile On and Off Metal Line					Specialty Tag Line				
	Trak Series					Specialized Series				
Product										
	Cargo Trak	Versa Trak	Data Trak II	Global Trak II	Slim Trak	Bric	Autoclavable Roswell/ Roswell	Xylinder	Pico Wedge/ Nano Wedge	Xplorer
Operating frequency	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	860-960 MHz (Global)	860-960 MHz (Global)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)
IC type	Alien Higgs-3	Alien Higgs-3	Impinj Monza 4E	Impinj Monza 4E	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3
Memory configuration	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	48-bit serialized TID, 496 EPC bits, 128-bit user memory	48-bit serialized TID, 496 EPC bits, 128-bit user memory	96-bit EPC, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID
Read range on metal (2W ERP)	Up to 39 ft (12 m)	Up to 26 ft (8 m)	Up to 14.8 ft (4.5 m)	Up to 8 ft (2.5 m)	Up to 6.5 ft (2 m)	Up to 19 ft (6 m)	Up to 16.4 ft (5 m)	Up to 19 ft (6 m)	Up to 8.2 ft (2.5m) / 13.1 ft (4m) when embedded	5 ft (1.5m) when embedded
Read range off metal (2W ERP)	Up to 20 ft (6 m)	Up to 13 ft (4 m)	Up to 8 ft (2.5 m)	Up to 6 ft (1.8 m)	Up to 4.9 ft (1.5 m)	Up to 13 ft (4 m); 6.5 ft (2 m) when embedded 2 in (50 mm) in concrete	Limited	Limited	Limited	Limited
Case material	ABS plastic	ABS plastic	Polycarbonate	Polycarbonate	FR4	Engineering grade nylon polymer	Stainless steel/ Aluminum 6061-T6	Engineering grade Polypropylene	Engineering grade Polypropylene	Stainless steel
Mounting system	Rivet hole, ø 0.14 in (3.5 mm); adhesive (optional)	High performance adhesive	Adhesive; built-in ø 0.1 in (2.6 mm) tethering hole	Adhesive; built-in ø 0.1 in (2.6 mm) tethering hole	Adhesive (TESA 51972), epoxy (optional)	Mounted or embedded in concrete	Welding, cable tie, rivet hole ø 0.19 in (ø 5 mm)	Plug in, epoxy (optional)	Plug in, epoxy (optional)	Snap in
Operating temperature	-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)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-22°F to +185°F (-30°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Application temperature	-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 +302°F (-40°C to +150°C)	-40°F to +194°F (-40°C to +90°C)	-40°F to +482°F (-40°C to +250°C)	-40°F to +302°F (-40°C to +150°C)	-22°F to +302°F (-30°C to +150°C)	-58°F to +482°F (-50°C to +250°C)
Compression strength	29 psi (200 kPa)	26.1 psi (180 kPa)	14.5 psi (100 kPa)	14.5 psi (100 kPa)	106 psi (731 kPa)	93 psi (641 kPa)	1145 psi (7900 kPa) / 115 psi (793 kPa)	80 psi (511 kPa)	156 psi (1076 kPa)	30,000 psi (206 MPa)
IP classification	IP68	IP54	IP54	IP54	IP68	IP68	IP69K	IP69K	IP68	IP69K
Dimensions	3.94 x 1.02 x 0.35 in (100 x 26 x 8.9 mm)	1.98 x 0.67 x 0.21 in (50.3 x 17 x 5.3 mm)	1.50 x 0.51 x 0.16 in (38 x 13 x 4 mm)	1.50 x 0.51 x 0.16 in (38 x 13 x 4 mm)	2.22 x 0.234 x 0.051 in (56.5 x 5.95 x 1.3 mm)	2.75 x 1.25 x 0.43 in (70 x 32 x 11 mm)	1.89 x 1.10 x 0.53 in (48 x 28 x 13.5 mm)	ø 1.26 x 0.36 in (ø 32 x 9.1 mm)	ø 0.95 x 0.24 in (ø 24.2 x 6.2 mm) / ø 1.4 x 0.3 in (ø 34.5 x 7.5 mm)	ø 1.11 x 0.33 in / (ø 28.3 x 8.5 mm)
Weight	0.61 oz (17.2 g)	0.11 oz (3 g)	0.08 oz (2.3 g)	0.09 oz (2.6 g)	0.035 oz (1 g)	0.85 oz (24 g)	1.55 oz / 44 g / 0.74 oz / 21 g	0.26 oz / 7.4 g	0.13 oz (3.7 g) / 0.35 oz (10 g)	0.89 oz (25.4 g)
Suggested applications	Vehicle chassis and trailer tracking, Unit Load Device identification, logistics management	Instrument tracking, pallet tracking, RTI management, storage rack identification	IT asset management, Datacenter servers, Healthcare equipment	Global supply chain logistics, IT asset management, datacenter servers	IT server rack, military asset & weapon tracking, tool tracking	Facility management, logistics management, work in progress	Surgical Trays Oil & Gas Valve / Wellhead Management Food Processing Plants, Automotive Manufacturing	Gas cylinder tracking Container management Smart grid identification	Construction I-beams, outdoor equipment, oil and gas valves and pipes	Downhole and Surface Drill Pipes Sub-sea Oil Pipes BOPs and Wellheads