



























	MICRO Series				XS Series		
Series							
Product	 <b>MICRO Industrial</b>	 <b>MICRO Paint Shop</b>	 <b>MICRO Autoclavable</b>	 <b>Nano X-II HT</b>	 <b>XS Dash</b>	 <b>XS Dot</b>	 <b>XS Dot Wedge</b>
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)
IC type	NXP UCODE 8	NXP UCODE 8	NXP UCODE 8	Alien Higgs-4	NXP UCODE 8	NXP UCODE 8	Alien Higgs-3
Memory configuration	128 EPC bits, user memory (optional), 96 bits TID	128 EPC bits, user memory (optional), 96 bits TID	128 EPC bits, user memory (optional), 96 bits TID	128 EPC bits, 128-bit user memory 64-bit TID	128 EPC bits, user memory (optional), 96 bits TID	128 EPC bits, user memory (optional), 96 bits TID	96 EPC bits, extendable to 480-bit, 512-bit user memory,
Read range on metal (2W ERP)	Up to 33 ft (10 m)	Up to 33 ft (10 m)	Up to 33 ft (10 m)	Up to 23 ft (7 m)	Up to 6.6 ft (2 m)	Up to 5 ft (1.5 m)	Up to 3.3 ft (1 m)
Read range off metal	Limited	Limited	Limited	Limited	Limited	Limited	Limited
Case material	Engineering grade nylon polymer	Engineering grade nylon polymer	Engineering grade nylon polymer, Silicone sealer	PTFE	Ceramic	Ceramic	High performance engineering polymer
Mounting system	Screws (Rivet hole, M3) Pop rivets (Max size 3.2mm) Industrial Adhesive (optional)	Screws (Rivet hole, M3) Pop rivets (Max size 3.2mm) Industrial Adhesive (optional)	Screws (Rivet hole, M3) Pop rivets (Max size 3.2mm)	Screws (Rivet hole, M3) High performance adhesive	Epoxy	Epoxy	Embeddable 
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 +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)
Application temperature	-40°F to +482°F (-40°C to +250°C)	-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 (-55°C to +200°C)	-40°F to +302°F (-40°C to +150°C)	-40°F to +302°F (-40°C to +150°C)	-58°F to +428°F (-50°C to +220°C)
Compression strength	181 psi (1250 kPa)	181 psi (1250 kPa)	181 psi (1250 kPa)	725psi (5000 kPa)	790 psi (5447kPa)	790 psi (5447kPa)	10,100psi (70 MPa)
IP classification	IP68	IP68	IP69K	IP68	IP68	IP68	IP68
Dimensions	2.16 x 1.43 x 0.30 in (55x 36.2x 7.5 mm)	2.16 x 1.43 x 0.30 in (55x 36.2x 7.5 mm)	2.16 x 1.43 x 0.30 in (55x 36.2x 7.5 mm)	1.65x 0.59 x 0.09 in (42.0 x 15.0 x 2.1 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)	ø 0.405 x 0.181 in ø 10.3 x 4.6mm
Weight	0.92 oz (26 g)	0.92 oz (26 g)	0.92 oz (26 g)	0.08 oz (2.2 g)	0.016 oz (0.44 g)	0.012 oz (0.34 g)	0.28 oz (8 g)
Suggested applications	Bulk container tracking, vehicle tracking, post-paint oven baking, medical equipment tracking	Automotive manufacturing	Healthcare Equipments Management Assets Tracking Autoclavable Environment	WIP conveying equipment, post-paint oven baking, High temperature environment	Instrument tracking, tool tracking, medical device management, source tagging	Instrument tracking, medical device management, source tagging	Onshore and Offshore Pipes Heavy Equipment and Tools Automotive Manufacturing Molds

	PICO Series			ROSWELL Series		TRAK Series			
Series									
Product	 <b>Pico X-II Plus PICO On</b>	 <b>PICO In</b>	 <b>Nano X-II</b>	 <b>Autoclavable Roswell Roswell</b>	 <b>Xplorer Surface Xplorer Downhole</b>	 <b>Versa Trak</b>	 <b>Data Trak II</b>	 <b>Global Trak</b>	 <b>Slim Trak</b>
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) 865-868 MHz (EU)	902-928MHz (US) 865-868MHz (EU)	902-928MHz (US) 866-868MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	860-960 MHz (Global) 	860-960 MHz (Global) 
IC type	Alien Higgs-3/ NXP UCODE8	Alien Higgs-3	NXP UCODE8	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Impinj Monza 4E	Impinj Monza 4QT	Alien Higgs-3
Memory configuration	96EPC bits, extendable to 480bits, 64-bit TID, (512 bits user memory)/ 128 EPC bits, 96 bits TID, user memory (optional),	96 EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	128 EPC bits, user memory (optional), 96 bits 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	96EPC bits, extendable to 480-bit, 512-bit user memory, 64-bit TID	48-bit serialized TID, 496 EPC bits, 128-bit user memory	128-EPC bits; 512-bit user memory	96-bit EPC, 512-bit user memory, 64-bit TID
Read range on metal (2W ERP)	Up to 10 ft (3 m)	Up to 6.6 ft (2m) when embedded	Up to 20 ft (6 m)	Up to 16.4 ft (5 m)	Up to 5 ft (1.5m) when embedded	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)
Read range off metal (2W ERP)	Limited	Limited	Limited	Limited	Limited	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)
Case material	Engineering grade nylon polymer/ Ceramic	Ceramic	Engineering grade nylon polymer	Stainless steel/ Aluminum 6061-T6	Stainless steel	Anti-UV Industry Grade Polymer	Polycarbonate	Polycarbonate	FR4
Mounting system	High performance adhesive	Epoxy, embeddable 	High performance adhesive	Welding, cable tie, rivet hole ø 0.19 in (ø 5 mm)	Embeddable 	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)
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)	-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 +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 +482°F (-40°C to +250°C)	-58°F to +482°F (-50°C to +250°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)
Compression strength	174 psi (1200 kPa) / 170 psi (1176 kPa)	Packaging dependent	166.8 psi (1150 kPa)	1145 psi (7900 kPa)/ 115 psi (793 kPa)	30,000 psi (206 MPa)	26.1 psi (180 kPa)	14.5 psi (100 kPa)	14.5 psi (100 kPa)	106 psi (731 kPa)
IP classification	IP68	IP68	IP68	IP68	IP69K	IP54	IP54	IP54	IP68
Dimensions	0.70 x 0.43 x 0.2 in (17.7 x 10.9 x 5 mm)/ 0.5 x 0.28 x 0.12 in (12.8x 7.08 x 3.08 mm)	0.5 x 0.28 x 0.12 in (12.8 x 7.08 x 3.08 mm)	1.25 x 0.51 x 0.20 in (31.7 x 12.8 x 4.8 mm)	1.89 x 1.10 x 0.53 in (48 x 28 x 13.5 mm)	ø 1.11 x 0.33 in / (ø 28.3 x 8.5 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)
Weight	0.07 oz (2 g) / 0.05oz (1.4g)	0.05 oz (1.4 g)	0.18 oz (5 g)	1.55 oz / 44 g 0.74 oz / 21 g	0.89 oz (25.4 g)	0.39 oz (11 g) 0.11 oz (3 g)	0.08 oz (2.3 g)	0.09 oz (2.6 g)	0.035 oz (1 g)
Suggested applications	Tool tracking, weapon tracking, medical device management, instrument tracking	IT and laptop tracking, tool tracking, embedded bolt identification, weapons tracking	Tool tracking, WIP conveying equipment, IT/ telecom management, instrument tracking, weapons tracking	Surgical Trays, Oil & Gas Valve Wellhead management, Food Processing Plants, Automotive Manufacturing	Downhole and Surface Drill Pipes, Sub-sea Oil Pipes, BOPs and Wellheads	Unit Load Device identification, logistics management, 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

	TRAK OUTDOORS Series				METAL SKIN Series					
Series										
Product										
	<b>Container Trak</b>	<b>Cargo Trak II</b>	<b>RTI Trak</b>	<b>Flex Trak</b>	<b>Mercury Metal Skin</b>	<b>Platinum Metal Skin</b>	<b>Delta Metal Skin</b>	<b>Titanium Metal Skin</b>	<b>Gamma Label</b>	<b>Theta Inlay</b>
Operating frequency	902-928MHz (US) 866-868MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	902-928 MHz (US) 866-868 MHz (EU)	860-960MHz (Global) 	860-960MHz (Global) 	902-928 MHz (US) 865-868MHz (EU)	902-928MHz (US) 865-868MHz (EU)	902-928MHz (US) 865-868MHz (EU)	860-960MHz (Global) 	860-960MHz (Global) 
IC type	Impinj Monza R6-P	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Impinj Monza 4E	Monza R6-P	Impinj Monza R6-P	Impinj Monza M5	MB97R8050-AP15-ES	Alien Higgs-3
Memory configuration	128 EPC bits, 32-bit user memory, 48-bit TID; Max user memory 64-bit, 48 TID, 96 EPC bits	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	32 bits user memory, 128 bits EPC, 96 bits TID	32 bits user memory, 128 bits EPC	48-bit serialized TID, 128 EPC bits	160-bit EPC, 176-bit serialized TID	96-bit EPC, 512-bit user memory, 64-bit serialized TID
Read range on metal (2W ERP)	Up to 65 ft (20 m)	Up to 39 ft (12 m)	Up to 26 ft (8 m)	Limited	Up to 16 ft (5 m)	Up to 13 ft (4 m)	Up to 16.4 ft (5 m)	Up to 4 ft (1.2 m)	Limited	Limited
Read range off metal (2W ERP)	Up to 39 ft (15 m)	Up to 20 ft (6 m)	Up to 13 ft (4 m)	Up to 24.6 ft (7.5 m)	Up to 13 ft (4 m)	Up to 3.3 ft (1 m)	Limited	Up to 4 ft (1.2 m)	Up to 9.8 ft (3 m)	Up to 29.5 ft (9 m)
Case material	Anti-UV Industry Grade Polymer	Anti-UV Industry Grade Polymer	Anti-UV Industry Grade Polymer	TPU	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Mounting system	Rivet hole, ø 1/4" M6, adhesive (optional) Cable tie, Metal Insert optional	Rivet hole, ø 0.14 in (3.5 mm); adhesive (optional)	Adhesive/Rivet hole, ø 0.14 in (3.5mm); adhesive (optional)	Cable tie	High performance adhesive	High performance adhesive	High performance adhesive	High performance adhesive	High performance adhesive	Injection molding
Operating temperature	-40°F to +158°F (-40°C to +70°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +212°F (-40°C to +100°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 +212°F (-40°C to +100°C)
Application temperature	-40°F to +158°F (-40°C to +70°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +212°F (-40°C to +100°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 +446°F (-40°C to +230°C)
Compression strength	29 psi (200 kPa)	29 psi (200 kPa)	26.1 psi (180 kPa)	725psi (5000 kPa)	92 psi (634 kPa)	14 psi (97 kPa)	92 psi (634 kPa)	58 psi (400 kPa)	14 psi (97 kPa)	92 psi (634 kPa)
IP classification	IP68	IP68	IP68	IP68	IP54	IP68	IP57	IP54	IP54	IP68
Dimensions	5.46x 4.99 x 0.47 in (138.8 x 42 x 12 mm)	3.94 x 1.02 x 0.35 in (100 x 26 x 8.9 mm)	2.88 x 0.9 x 0.33 in (73.3 x 22.8 x 8.3 mm)	3.54 x 0.7 x 0.16 in (90 x 18 x 4.0 mm)	4 x 1.5 x 0.03 in (101.6 x 38 x 0.76mm)	2.8 x 0.75 x 0.04 in (58.5 x 19 x 1.1 mm)	3.15 x 0.87 x 0.04 in (80 x 20 x 1.0 mm)	1.77 x 0.22 x 0.03 in (45 x 5.6 x 0.86 mm)	2.95 x 0.79 x 0.008/ 4.0 x 2.0 x 0.008 in (75 x 20 x 0.2/ 101.6 x 50.8 x 0.2 mm)	2.8 x 0.43 x 0.005 in (71 x 11 x 0.13 mm)
Weight	1.45 oz (41 g)	0.62 oz (17.8 g)	0.39 oz (11 g)	0.28 oz (8 g)	Reel: 4.85lbs (2.2kg)	Reel: 2.64 lbs (1.2 kg)	Reel: 1.76 lbs (0.8 kg)	Reel: 2.54 lbs (1.15 kg)	Reel: 2.54 lbs (1.15 kg)	0.007 oz (0.2 g)
Suggested applications	Outdoor using, Vehicle chassis and trailer tracking, Unit Load Device identification, logistics management	Outdoor using, Vehicle chassis and Unit Load Device identification, logistics management	Unit Load Device identification, logistics management, pallet tracking, RTI management, storage rack identification	Outdoor using, Global supply chain management, RTI management, logistics management, Warehouse Automation	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, Supply chain management, Foil-based packaging tracking, IT asset management	Product authentication, IT asset and laptop tracking, radio and mobile equipment, foil-based packaging	Healthcare devices and equipment, Pharmaceutical & biotech processing equipment, Food	Inject Molding, Cable Joints, Logistics