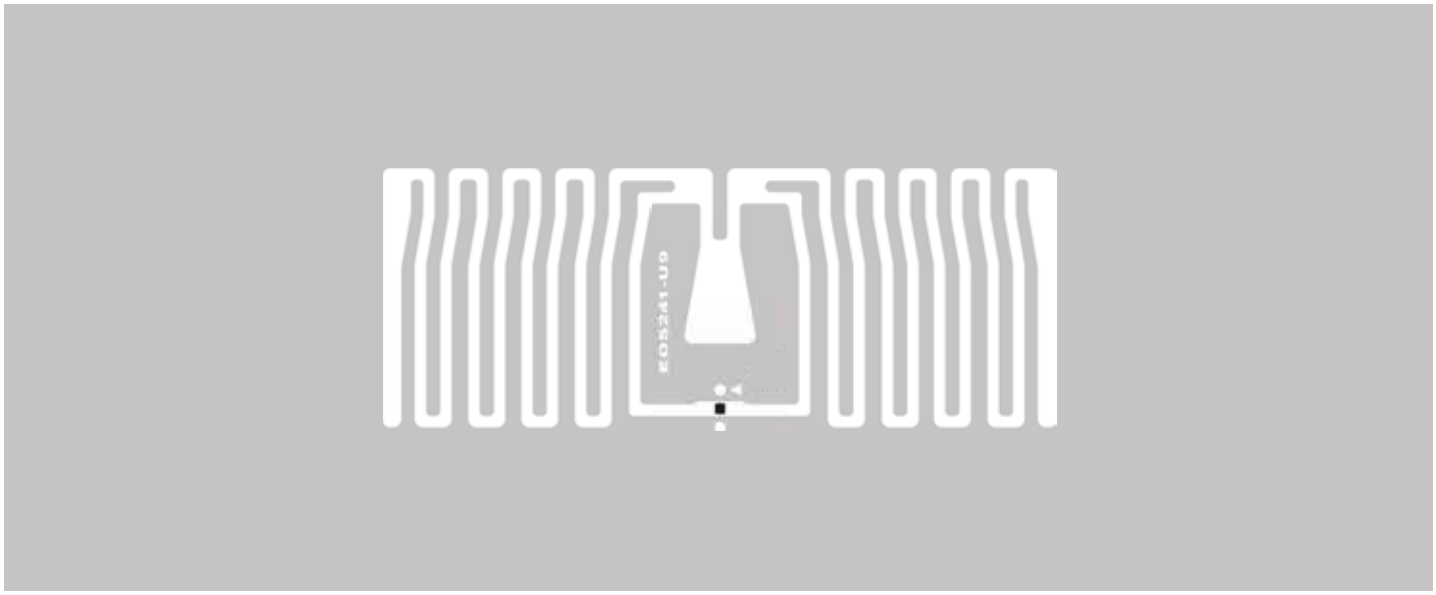
EOS-241 U9

Versatile, global solution for retail and logistics



The EOS-241 U9 inlay combines superior read performance with a compact antenna size, ideal for item-level applications in retail and logistics. Optimized for different packaging materials, it is perfect for inventory management in non-food sectors such as apparel, supply chain, logistics and healthcare.

It uses NXP's UCODE 9 chip, which offers high global performance, long read distances and fast inventories of dense RFID tag populations.

- 96-bit EPC
- Kill password
- EPC and password permalock
- Impedance self-tuning
- Memory integrity protection
- Available as dry inlay, wet inlay and paper-face formats.

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Certifications:

Meets ARC specifications F, G, O, Q, B1, W2, W5 and W6. Complies with ISO 9001:2015 (quality management) and ISO 14001:2015 (environmental management), as well as the RoHS and REACH environmental directives, using sustainable materials such as FSC®-certified paper.

Summary

IC: NXP UCODE 9

EPC/User Memory: 96 bits / - bits

TID Memory: 96 bits, incl. 48-bit unique S/N

Frequency Band: 860 - 960 MHz

Protocol: EPC Class 1 Gen 2 / ISO 18000-6C

Application Areas

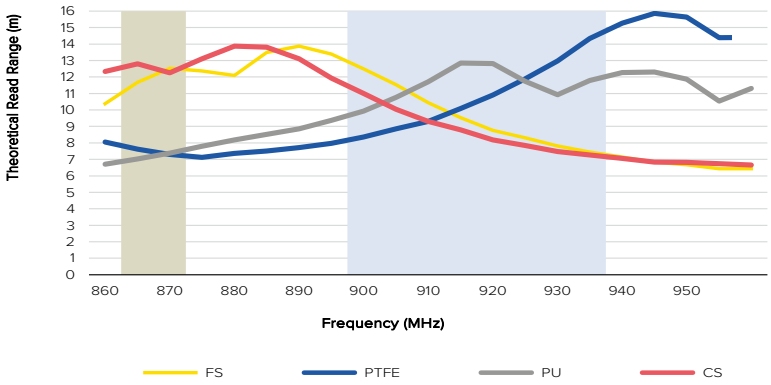
- Apparel and accessories
- Inventory visibility
- Item-level tagging
- Pharmaceutical and healthcare
- Supply chain management

Technical Specifications

	Dry Inlay	Wet Inlay	Paper-face Inlay
Product Code	2400000200	2400000154	2400000147
Antenna Size	42 x 16 mm 1.65 x 0.63 in	42 x 16 mm 1.65 x 0.63 in	42 x 16 mm 1.65 x 0.63 in
Finish Size	- -	44 x 18 mm 1.73 x 0.71 in	44 x 18 mm 1.73 x 0.71 in
Web Width	48.0 ± 1 mm 1.890 ± 0.04 in	48.0 ± 1 mm 1.890 ± 0.04 in	48.0 ± 1 mm 1.890 ± 0.04 in
Pitch	22.23 ± 0.2 mm 0.875 ± 0.01 in	22.23 ± 1 mm 0.875 ± 0.04 in	22.23 ± 1 mm 0.875 ± 0.04 in
Antenna Material	Aluminium	Aluminium	Aluminium
Front Face	-	PET Clear	Paper TT
Inlay Substrate	PET Clear	PET Clear	PET Clear
Inlay Adhesive	-	Permanent	Permanent
Liner	-	Paper	Paper
Operating Temperature	-40°C / +85°C -40°F / +185°F	-40°C / +85°C -40°F / +185°F	-40°C / +85°C -40°F / +185°F
Final Inspection	100% tested	100% tested	100% tested
ARC Approvals	F, G, O, Q, B1, W2, W5, W6	F, G, O, Q, B1, W2, W5, W6	F, G, O, Q, B1, W2, W5, W6

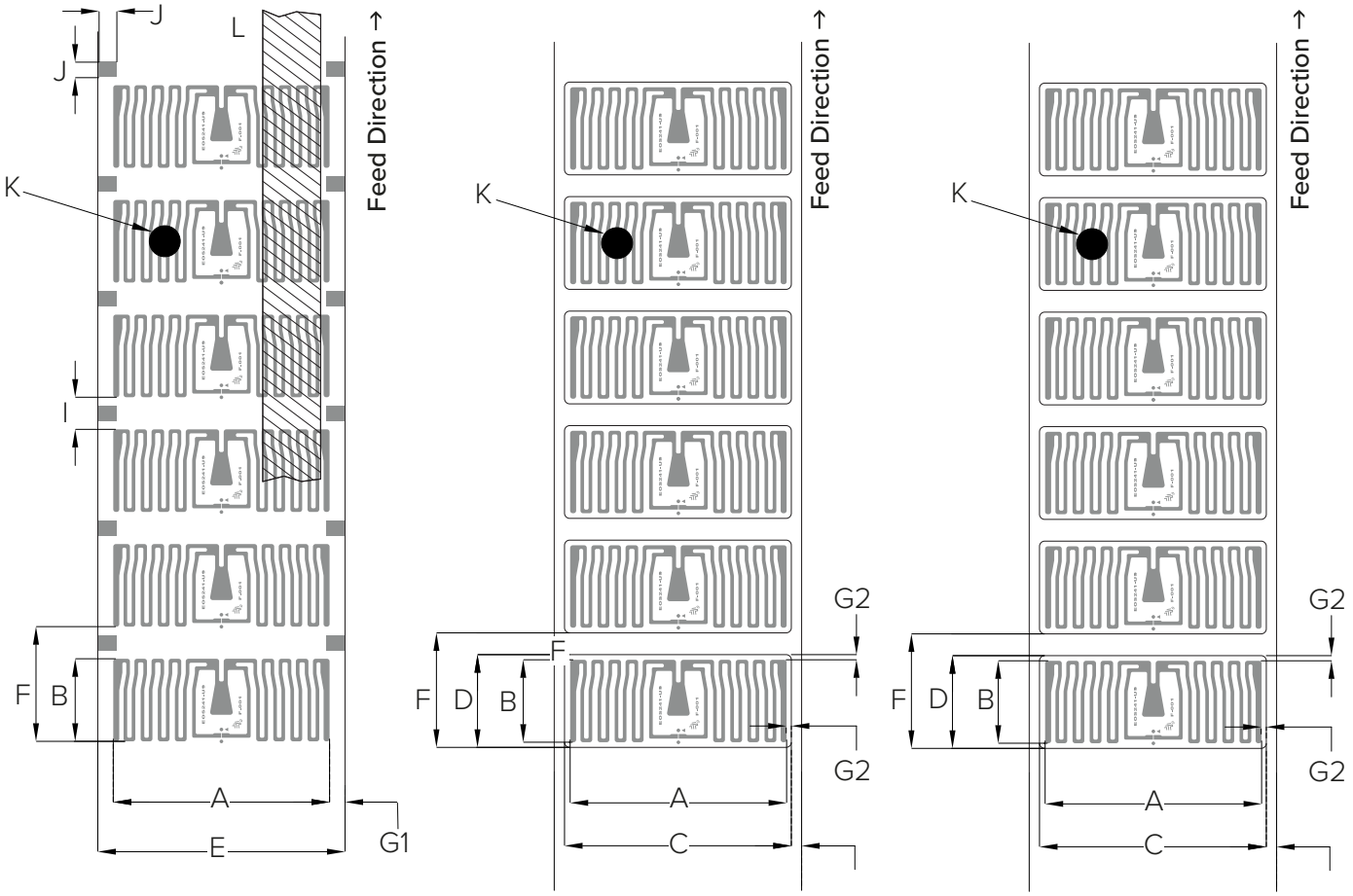
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Read Range

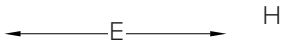


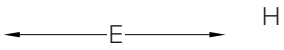
Product Specifications

Dimensions



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		Dry Inlay	Wet Inlay	Paper-face Inlay
Product Code		2400000200	2400000154	2400000147
Antenna Size	A x B	42 x 16 mm / 1.65 x 0.63 in	42 x 16 mm / 1.65 x 0.63 in	42 x 16 mm / 1.65 x 0.63 in
Finish Size	C x D	-	44 x 18 mm / 1.73 x 0.71 in	44 x 18 mm / 1.73 x 0.71 in
Web Width	E	48.0 ± 1 mm / 1.890 ± 0.04 in	48.0 ± 1 mm / 1.890 ± 0.04 in	48.0 ± 1 mm / 1.890 ± 0.04 in
Pitch	F	22.23 ± 0.2 mm / 0.875 ± 0.01 in	22.23 ± 1 mm / 0.875 ± 0.04 in	22.23 ± 1 mm / 0.875 ± 0.04 in
Antenna to Web Edge	G1	3.0 ± 1 mm / 0.118 ± 0.04 in	-	-
Antenna to Die-cut	G2	-	1.0 ± 1 mm / 0.039 ± 0.04 in	1 .0 ± 1 mm / 0.039 ± 0.04 in
Die-cut to Web Edge	H	-	2.0 ± 1 mm / 0.079 ± 0.04 in	2.0 ± 1 mm / 0.079 ± 0.04 in
Antenna Gap	I	6.23 mm / 0.245 in	-	-
Converting Spot	J	3.00 x 3.45 mm / 0.118 x 0.131 in	-	-
Bad Mark	K	Ø 6 mm / 0.236 in	Ø 6 mm / 0.236 in	Ø 6 mm / 0.236 in
Interleaves	L	yes	no	no

Packing Details

	Dry Inlay	Wet Inlay	Paper-face Inlay
Product Code	2400000200	2400000154	2400000147
Delivery Format	Roll (single row)	Roll (single row)	Roll (single row)
Core Inner Diameter	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Roll Outer Diameter	304 mm / 11.97 in	338 mm / 13.31 in	196 mm / 7.72 in
Unwinding Direction	Inlay on outside of roll	Inlay on outside of roll	Inlay on outside of roll
Standard Roll Size	30 000	22 000	4 500
Min. Guar. Yield/Roll	98.5%	98.5%	98.5%
Box Dimensions	39.5 x 39.0 x 17.0 cm 15.56 x 15.35 x 6.69 in	39.5 x 39.0 x 17.0 cm 15.56 x 15.35 x 6.69 in	26.0 x 26.0 x 37.0 cm 10.24 x 10.24 x 14.57 in
Roll/Box	2	2	6
Inlays/Box	60 000	44 000	27 000
Box Gross Weight	6.7 kg / 14.77 lbs	8.88 kg / 19.58 lbs	7.52kg / 16.58 lbs
Pallet Dimensions	120 x 80 x 151 47.2 x 31.5 x 59.4 in	120 x 80 x 151 47.2 x 31.5 x 59.4 in	120 x 80 x 126 47.2 x 31.5 x 49.6 in
Boxes/Pallet	48	48	36
Inlays/Pallet	2 880 000	2 112 000	972 000
Pallet Gross Weight	347 kg / 765 lbs	451 kg / 994 lbs	296 kg / 653 lbs

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