



EOS-430 UX

T A G E O S

Datasheet

Streamlined, Versatile Inlay for Global Retail and Industrial Applications



The EOS-430 UX combines moderate size with outstanding robust performance on a wide range of surfaces. This inlay is the product of choice for a wide range of applications in market segments including retail, logistics, and industrial manufacturing.

EOS-430 UX is available in dry, 4up width web delivery format.

The EOS-430 UX uses NXP's UCODE X RAIN RFID IC, which enables long read distance and fast inventory of dense RFID tag populations. The chip features a configurable memory, with an EPC memory from 96-208 bits and a user memory from 0-32 bits. The IC also features improved read and write power consumption and encoding speed, as well as memory safeguards with an auto-repair function.

Tageos maintains ARC Quality Certification for all its manufacturing sites worldwide and is one of the first companies to be certified by Auburn University's RFID Lab since 2020.

Tageos complies with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management as well as utilizing sustainable manufacturing processes and materials, such as FSC®-certified paper, whenever possible. In addition, all Tageos products meet the RoHS and REACH environmental directives.

Overview

IC:	NXP UCODE X
EPC/User Memory:	96 (208) bit / 32 (0) bit
TID Memory:	96 bit incl. 48 bit unique S/N
Frequency Band:	860 - 960 MHz
Protocol:	EPC Class 1 Gen 2 - ISO 18000-63

Application Areas

- Inventory Visibility
- Item Level Tagging
- Parts Management
- Supply Chain Mgmt.
- Track & Trace



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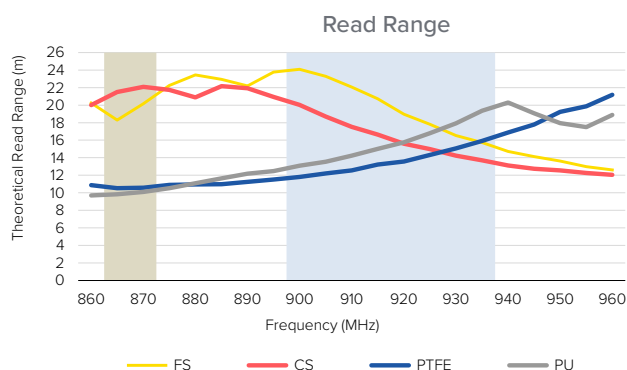


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Technical Overview

	Dry - 4up	
Product Code	4300000122	
Antenna Size	70 x 8 mm	
	2.76 x 0.31 in	
Finish Size	-	
	-	
Web Width	340.00 ± 1 mm	
	13.386 ± 0.04 in	
Pitch	16.00 ± 0.2 mm	80.00 ± 0.2 mm
	0.630 ± 0.01 in	3.150 ± 0.01 in
ARC Approval	-	
FSC® Certification	-	
Antenna Material	Aluminium	
Front Face	-	
Inlay Substrate	PET Clear 50um	
Inlay Adhesive	-	
Liner	-	
Operating Temperature	-40°C / +85°C -40°F / +185°F @20% to 90% RH	
Shelf Life	2 years @ +25°C/40%RH	
Final Inspection	100% tested	



Contact:

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Graphs: All the graphs are indicative: performance in real life applications may vary. The data has been determined based on calculations for transmitters with a normal output power level and respective IC silicon. **Storage & handling precautions:** Observe standard storage and handling practices to minimize Electro Static Discharge. Tageos reserves the right to change its products and services at any time without notice. As our products are used in circumstances beyond our control, we cannot be held liable for any damages caused through their use. This is a general purpose product not designed or intended for any specific application.

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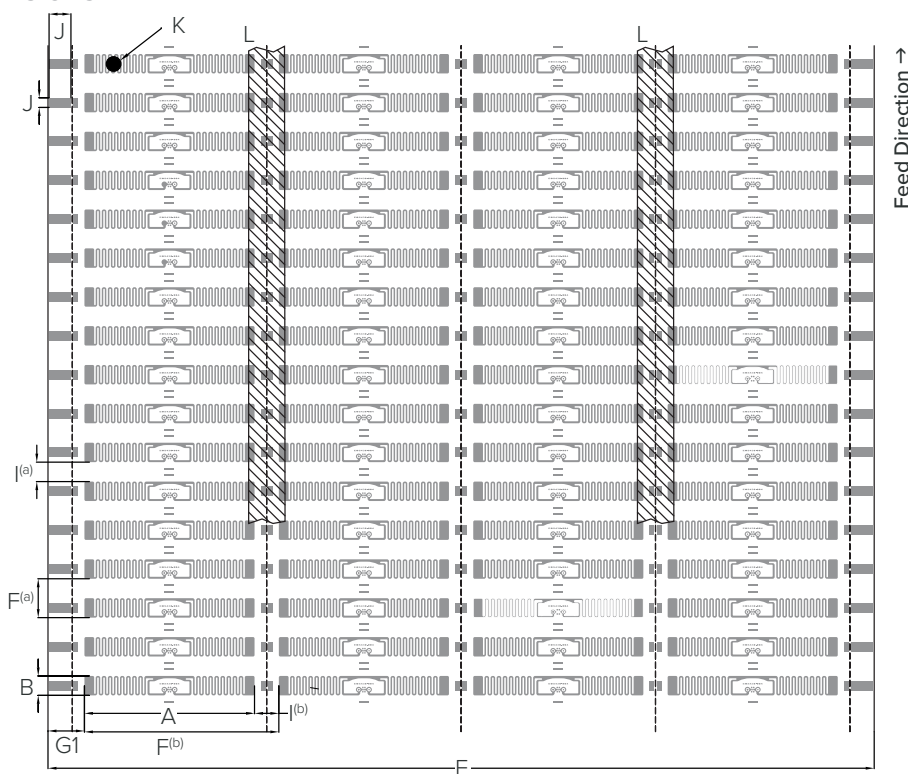


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Product Specifications

Mechanical Dimensions



Dry - 4up

Product Code	4300000122		
Antenna Size	A x B 70 x 8 mm / 2.76 x 0.31 in		
Finish Size	C x D - / -		
Web Width	E	340.00 ± 1 mm / 13.386 ± 0.04 in	
Pitch	F	16.00 ± 0.2 mm / 0.630 ± 0.01 in ^(a)	80.00 ± 0.2 mm / 3.150 ± 0.01 in ^(b)
Antenna to Web Edge	G1	15.0 ± 1 mm / 0.0591 ± 0.04 in	
Antenna to Die-cut	G2	-	
Die-cut to Web Edge	H	-	
Antenna Gap	I	8.00 mm / 0.315 in ^(a)	10.00 mm / 0.394 in ^(b)
Converting Spot	J	9.00 x 4.00 mm / 0.354 x 0.157 in	
Bad Mark	K	Ø 6.0 mm / 0.236 in	
Interleaves	L	Yes	



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Packing Details

	Dry - 4up
Product Code	4300000122
Delivery Format	Roll (Multi row)
Core Inner Diameter	76 mm / 2.99 in
Roll Outer Diameter	280 mm / 11.02 in
Unwinding Direction	Inlay on outside of roll
Leading Tape	- / -
Trailing Tape	- / -
Standard Roll Size	140 000 (-0% +1.5%)
Min. Guar. Yield/Roll	99%
Box Dimensions	38.5 x 38.5 x 37 cm / 15.16 x 15.16 x 14.57 in
Roll/Box	1
Inlays/Box	140 000
Box Gross Weight	17.6 kg / 38.81 lbs
Pallet Dimensions	120 x 80 x 126 cm / 47.2 x 31.5 x 49.6 in
Boxes/Pallet	18
Inlays/Pallet	2 520 000
Pallet Gross Weight	342 kg / 754 lbs

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RoHS
compliant



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