



EOS-480 U7xm-2k

T A G E O S

## Datasheet

### Extended Memory and Reliable Performance

The EOS-480 U7xm-2k inlay is designed for robust performance and in combination with its extended EPC and user memory, it is particularly suitable for inventory visibility and other applications in the automotive industry, logistics, and supply chain management.

EOS-480 U7xm-2k is equipped with a UCODE 7xm IC from NXP. With its high performance and 2-kbit of user memory, the IC is well suited for applications that require high read range and extra user memory to store customer- or product-specific data.

Available in dry, wet and paper-face delivery format, the RAIN RFID inlay complies with global frequency standards.



T A G E O S

Tageos is one of the first companies to have successfully completed the ARC Quality Certification from Auburn University RFID Lab.

Like all Tageos' RFID products, EOS-480 U7xm-2k complies with ISO 9001:2015 Quality Management System and ISO 14001:20215 Environmental Management System as well as Environmental Directives RoHS and REACH, utilizing sustainable materials such as FSC® certified paper whenever possible.

#### Overview

IC:	NXP UCODE 7xm-2k
EPC/User Memory:	448 bit / 2048 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

- Automotive
- Industrial Manufacturing
- Inventory Visibility
- Logistics
- Supply Chain Management





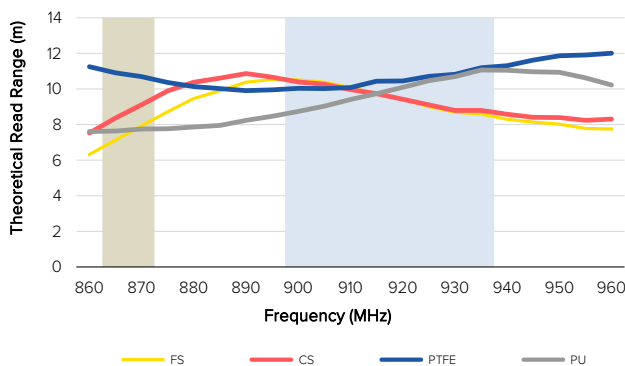
# EOS-480 U7xm-2k

# TAGEOS

## Technical Overview

	Dry	Wet	Paper-face
Product Code	4800000007	4800000008	4800000009
Antenna Size	87 x 8 mm 3.43 x 0.32 in	87 x 8 mm 3.43 x 0.32 in	87 x 8 mm 3.43 x 0.32 in
Finish Size	-	90 x 12 mm 3.54 x 0.47 in	90 x 12 mm 3.54 x 0.47 in
Web Width	102.0 ± 1 mm 4.016 ± 0.04 in	102.0 ± 1 mm 4.016 ± 0.04 in	102.0 ± 1 mm 4.016 ± 0.04 in
Pitch	20.00 ± 0.2 mm 0.787 ± 0.01 in	20.00 ± 1 mm 0.787 ± 0.04 in	20.00 ± 1 mm 0.787 ± 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	-	-	-

Read Range



**Contact:**

Tageos SAS (HQ) . 1340 rue de Pinville . 34000 Montpellier . France . sales@tageos.com



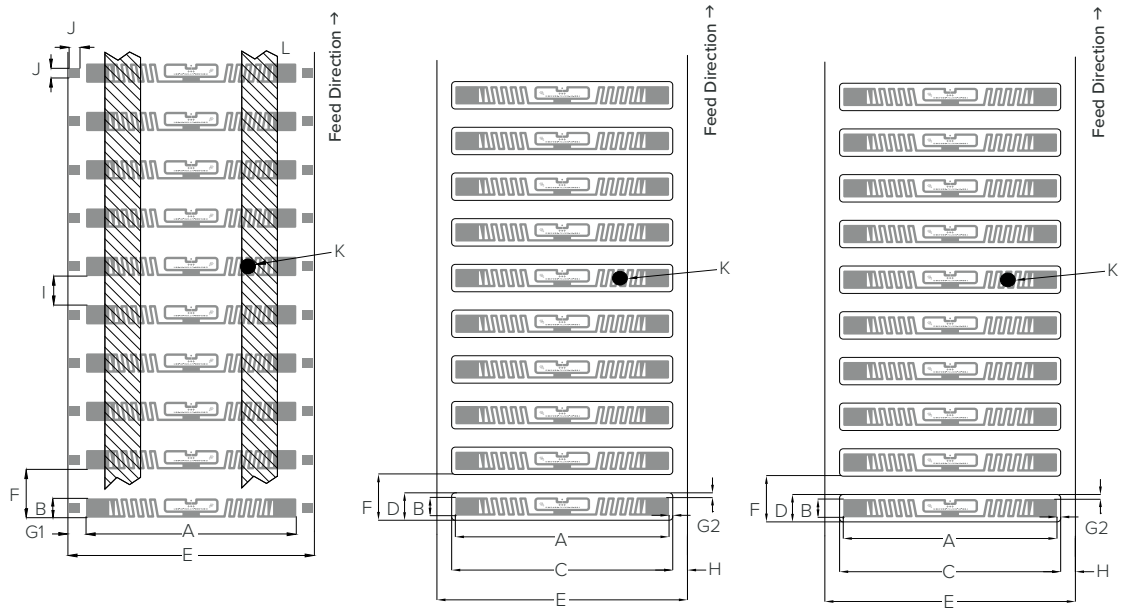
**Graphs:** All the graphs are indicative; performance in real life applications may vary. The data has been determined based on calculations for transmitters with a normal output power level and respective IC silicon. **Storage & handling precautions:** Observe standard storage and handling practices 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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# Product Specifications

## Mechanical Dimensions



	Dry	Wet	Paper-face
Product Code	4800000007	4800000008	4800000009
Antenna Size	A x B 87 x 8 mm / 3.43 x 0.32 in	87 x 8 mm / 3.43 x 0.32 in	87 x 8 mm / 3.43 x 0.32 in
Finish Size	C x D -	90 x 12 mm / 3.54 x 0.47 in	90 x 12 mm / 3.54 x 0.47 in
Web Width	E 102.0 ± 1 mm / 4.016 ± 0.04 in	102.0 ± 1 mm / 4.016 ± 0.04 in	102.0 ± 1 mm / 4.016 ± 0.04 in
Pitch	F 20.00 ± 0.2 mm / 0.787 ± 0.01 in	20.00 ± 1 mm / 0.787 ± 0.04 in	20.00 ± 1 mm / 0.787 ± 0.04 in
Antenna to Web Edge	G1 7.5 ± 1 mm / 0.295 ± 0.04 in	-	-
Antenna to Die-cut	G2 -	1.5 ± 1 mm / 0.059 ± 0.04 in	1.5 ± 1 mm / 0.059 ± 0.04 in
	-	2.0 ± 1 mm / 0.079 ± 0.04 in	2.0 ± 1 mm / 0.079 ± 0.04 in
Die-cut to Web Edge	H -	6.0 ± 1 mm / 0.236 ± 0.04 in	6.0 ± 1 mm / 0.236 ± 0.04 in
Antenna Gap	I 12.00 mm / 0.472 in	-	-
Converting Spot	J 4.50 x 4.00 mm / 0.177 x 0.197 in	-	-
Bad Mark	K Ø 6.0 mm / 0.236 in	Ø 6.0 mm / 0.236 in	Ø 6.0 mm / 0.236 in
Interleaves	L Yes	No	No



# EOS-480 U7xm-2k

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## Packing Details

	Dry	Wet	Paper-face
Product Code	4800000007	4800000008	4800000009
Delivery Format	Roll (single row)	Roll (single row)	Roll (single row)
Core Inner Diameter	76 mm / 2.99 in	76 mm / 2.99 in	76 mm / 2.99 in
Roll Outer Diameter	311 mm / 12.24 in	335 mm / 13.19 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	35 000	24 000	5 000
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	1	1	3
Inlays/Box	35 000	24 000	15 000
Box Gross Weight	7.35 kg / 16.20 lbs	7.80 kg / 17.20 lbs	6.54 kg / 14.42 lbs
Pallet Dimensions	120 x 80 x 151 cm / 47.2 x 31.5 x 59.4 in	120 x 80 x 151 cm / 47.2 x 31.5 x 59.4 in	120 x 80 x 126 cm / 47.2 x 31.5 x 49.6 in
Boxes/Pallet	48	48	36
Inlays/Pallet	1 680 000	1 152 000	540 000
Pallet Gross Weight	378 kg / 833 lbs	399 kg / 880 lbs	260 kg / 573 lbs

### Contact:

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