



## Nox-TM4 RFID Tag Rugged Metal Mount (On-Metal) RFID Tag

The NOX-TM4 is designed specifically for use on metal parts. Its small form factor makes it the perfect tag for tracking laptops, servers and tools. The NOX-TM4 is durable and withstands hazardous environments up to 400F including autoclave. NOX-TM4 tags can be boiled, crushed, burned or frozen and will always come out unscathed. This metal-mount RFID tag can be read reliably at 10' when applied directly to metal.

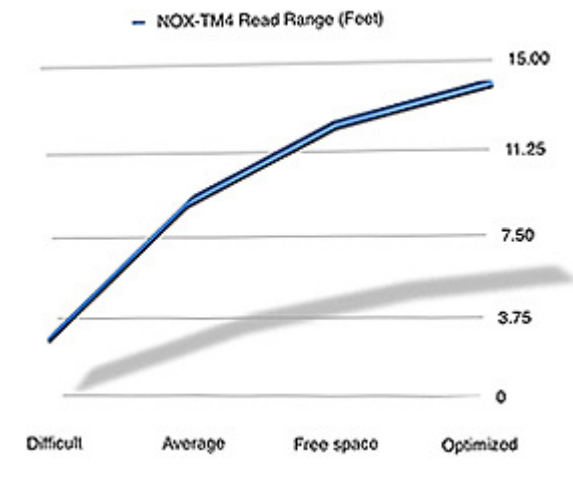
### PRODUCT SPECIFICATION:

Finished Tag Dimensions	38mm (1.5") x 10mm (0.4") x 2.8mm (0.12")
Heat Endurance	400°F for 6 hours
Impact.	100 drops free fall with 2.2lb iron ball from 4.95'
Warranty	3 Years
Protocol	ISO/IEC 18000-6C EPCGlobal Class 1 Generation 2
Operating frequency.	Global (860-960MHz)
Ingression	IP68
Lead Time	5-15 business days.
Adhesive	A 3M 9472LE adhesive strip is attached. This works great for most commercial applications but it is... adhesive. For seriously demanding applications, the TM4 has two holes for permanent mounting using a carbon screw or similar. Optionally, an epoxy could be used.



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## Nox-TM4 Read Range (Feet)



Difficult is the average range on a non-metal surface.

The Nox-TM4 does not perform well without direct or near-direct contact to metal. Most laptops have metal areas that are ideal for tagging.



### Different Pre-encoding Options:

**White Label or Yellow Label or No Label** No Label will be all black with no human readable ID on tag  
**Code 128 or Code 93 1D barcode with last 6 digits of tag ID human readable**

**Encoding Schema:** DoD EPC Format - Unique to your company using item-level tag identifier

### CONTACT

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## Nox- 2 Ultra Performance RFID Tag

The NOX-2 RFID tag has a super-long read range and outperforms most RFID labels. NOX-2 RFID labels are an affordable passive RFID tag with an average working read range of 40' and peak ranges up to 60'. These tags are recommended for file folders, documents, laptops, and cardboard or plastic shipping containers.

The tag comes in two-parts: A top portion is 4"x1" and is used as a duplicate of the RFID tag portion (4"x0.6"). This duplicate is great for record keeping (sending to finance so they have a record of each tagged asset ID) or to place on the outside of a box/container so you don't need to open the container if you don't have an RFID reader handy.

Nox-1 vs. Nox-2: The Nox-2 is slightly smaller (.6") than the Nox-1. Both tags use the same chip/antenna. Nox-1 is no longer available as of Jan 2010.

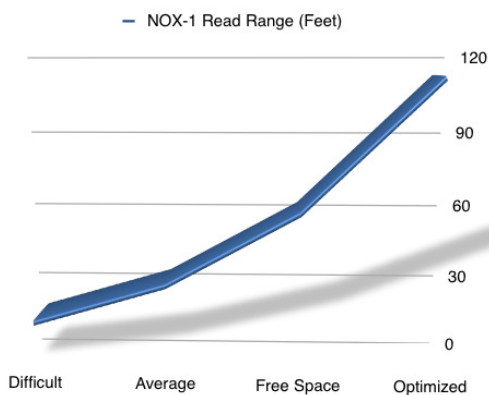
### PRODUCT SPECIFICATION:

Finished Label Dimensions	Portion containing RFID inlay is 4" x 0.6" traveler is 4" x 1"
Inlay Type	Avery Dennison AD-223
Shelf Life	Life of tag estimated at over 10 years. Adhesive, if not permanently applied to target item, will last 2 years when stored at 72°F at 50% RH.
Labels Per Roll	1,000
Protocol	ISO/IEC 18000-6C EPCGlobal Class 1 Generation 2
Operating frequency	Global (860-960MHz)
Label Stock	Synthetic, requires resin ribbon.

**NOX-2 RFiD**  
**Ultra Long Read Range**  
**Just 4.0"x0.6"!**



## Nox-2 Read Range (Feet)



Average is typical on most non-metal surface.

The Nox-2 does work directly on-metal. Difficult includes water-based (people, liquid jugs) items. Free space is a line-of-sight straight on look at the tag.

### Nox -2 images:



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Nox\* is SimplyRFID® product

## Compliance sheet:

Features	Specifications	Compliance Y/N	
ARCHITECTURE	i. UHF High Performance readers that comply with ETSI (Europe) and FCC (USA) standards, ISO/IEC 15962, ISO/IEC 15963	Y	
	ii. Robust anti-collision protocol (up to 100 tags read simultaneously)	Y	
	iii. Reading up to 200 tags/sec in multi-read application iv. Read-Only or Read/Write selectable	Y	
	v. Real time clock (RTC)	Y	
	vi. IP-65 enclosure and connectors vii. Built-in test and diagnostics		
	FREQUENCY	865 - 867 MHz band (Complying to ETSI Standard)	Y
	POWER	500mW minimum	Y
INTERFACE	RS232 with programmable baud rate and flow control	Y	
RANGE	Minimum 15 feet	Y	
<b>Tags</b>			
Features	Specifications		
ARCHITECTURE	i. Adhesive strip for windscreen mounting; minimal skill required to affix	Y	
	ii. Anti-tamper feature (breaks if removed)	N	
	iii. Passive – no battery	Y	
ANTENNA	Flexible transparent printed antenna substrate;	Y	
	Antenna tuned for operation on glass	Y	
MTBF	At least 10 years	Y	
READ/WRITE	Minimum 5 mtrs	Y	
RANGE			
READ RATE	Less than 1 second	Y	
ANTI COLLISION	up to 30 tags can be read simultaneously		
	Fast moving tags can be read – up to 30 km/h (UID only)	Y	
ID LENGTH	Factory programmed 64 bit ID number	Y	
COMPATIBILITY	i. Compatible with all IP-X Read/Write and Read-Only tags in mixed populations.	Y	
	ii. Compatible with all IPICO UHF readers	Y	
OPERATING TEMPERATURE	-10 to +75° C	N (Max 60° C)	



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