

## XS Dash



The Xerafy XS Dash is specially designed for small assets tracking. It's ATEX certified and enables automatic tracking for improved productivity and reduced risks in foreign object debris (FOD) and product recalls.



Small form factor



Designed for rugged application



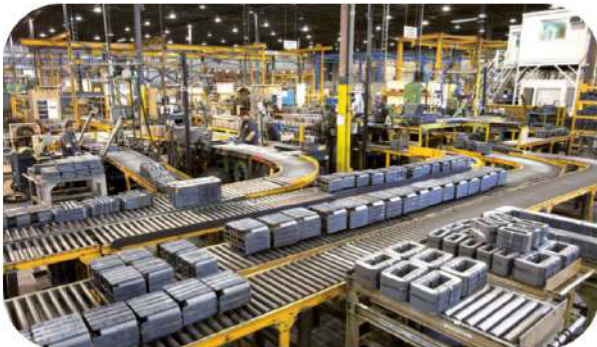
Unrivaled performance-to-size ratio



Reliable performance



Hi-Temp



- Hand Tools and Equipments
- Automated Tool Tracking
- Active FOD Prevention

### Performance Characteristics

Read range (handheld) <sup>1</sup>	Up to 5 ft (1.5 m)
Read range (fixed) <sup>1</sup>	Up to 6.6 ft (2 m)
Polarization	Linear
Attachment	Epoxy, injection mould

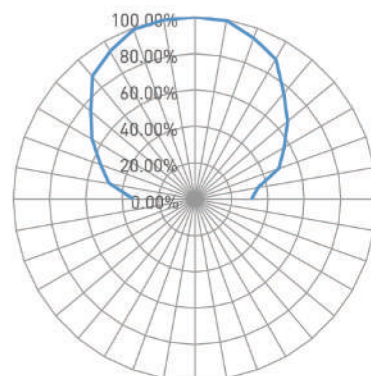
<sup>1</sup>. Performance based on standard testing methodologies.  
Performance may vary depending on environmental factors and reader output power.

### Functional Specifications

RF protocol	EPC global Class 1 Gen2
Frequency	902-928 (US) ; 865-868 (EU)
IC type (chip) <sup>1</sup>	NXP UCODE 8
Memory <sup>2</sup>	128 bits EPC, 96 bits TID, User memory (optional)
Material	Ceramic

- The chip data retention is up to 50 years, based on chip operating under general environment conditions.
- EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.

### Radiation Pattern



## Environmental Specifications

Operational temperature	-40°C to +85°C
Survival temperature	-40°C to +150°C (long term)
Peak temperature	200°C (minutes)
IP rating	IP68
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G

## Industry Compliance

RoHS	EU Directive 2011/65/EU
CE	Yes
ATEX/IECEX	Compliant
Warranty	1 year

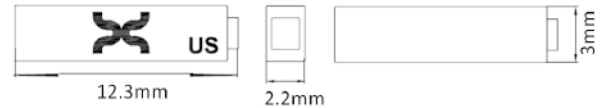
## Order Information

X4101-US000-U8	XS Dash US
X4101-EU000-U8	XS Dash EU
Optional service	encoding



## Product Dimensions and Weight

Dimensions (in)	0.48 x 0.12 x 0.09
Tolerance	+/- 0.012
Dimensions (mm)	12.3 x 3 x 2.2
Tolerance	+/- 0.2
Weight	0.016 oz (0.44 g)



## Installation Instructions

To properly attach the XS Dash, the following steps should be taken:

1. Use instant glue to place the tag on the asset
2. Cover the tag with epoxy resin to secure the tag in place. Using epoxy will both help secure the tag to the asset as well as help prevent damage from shock and impact.

### About Xerafy

Xerafy designs and manufactures the world's toughest RFID tags to power Industrial IoT applications in Aerospace, Oil & Gas, Automotive, Healthcare and Manufacturing.

