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Xerafy Wedge
EPC UHF RFID Plug-In-Metal Tags

Xerafy's Pico and Nano Wedge are designed to facilitate quick embedding of metal RFID tags in industrial applications. The identification of assets in industrial environments can be extremely challenging because there is a risk the attached tags may be damaged or detached in the rugged environment they inhabit. The Wedge's design not only protects the chip but also enables embedded RFID in a quick, convenient and efficient way. Thanks to its innovative design, the Pico and Nano Wedge can be easily plugged into circular recesses on metallic assets without the need to mess with epoxy.

Features:

- Quick and easy deployment for embedded RFID
- Resistant to shock, vibrations and impact
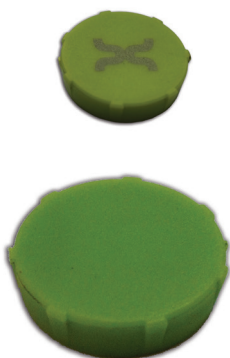- Protects tag from weather and exposure to chemicals
- IP68

Applications:

Construction I-beams

Outdoor equipment

Oil and gas valves and pipes

RoHS 2002/95/EC CE Ex

Series Specifications:

EPC Class 1 Gen 2 (ISO 18000-6C)	512-bit user memory
Passive UHF RFID transponders	64-bit TID; 96-EPC bits, extendible to 480 bits
Frequency:	902-928 MHz (US), 866-868 MHz (EU)
Operating temperature:	-22°F to +185°F (-30°C to +85°C)
Application temperature:	-22°F to +302°F (-30°C to +150°C)
Attachment method:	Plug in, epoxy (optional)
IP rating:	IP68
Shock, vibration and impact:	MIL-STD-810F, resistant to mallet impact
Compliance:	RoHS, CE, ATEX

1. Stated performance based on standard testing, read range may vary dependent on hardware and power.
2. EPC and user memory reprogrammable, unique TID locked at point of manufacture.

Pico Wedge — P/N: X1112-US101-H3 / X1123-EU101-H3

Dimensions / tolerance (mm):	ø 24.2 x 6.2 (+/- 0.3)
Dimensions / tolerance (in):	ø 0.95 x 0.24 (+/- 0.012)
Weight:	0.13 oz (3.7 g)
Read range in metal (2W ERP):	Up to 8.2 ft (2.5 m)

Nano Wedge — P/N: X1123-US101-H3 / X1123-EU101-H3

Dimensions / tolerance (mm):	ø 34.5 (+/- 0.2) x 7.5 (+/- 0.15)
Dimensions / tolerance (in):	ø 1.4(+/- 0.008) x 0.3 (+/- 0.006)
Weight:	0.35 oz (10 g)
Read range in metal (2W ERP):	Up to 13.1 ft (4 m)