

Xerafy Nano XL EPC UHF RFID High Memory Metal Tag

Xerafy's Nano XL RFID high memory metal tag offers a leading edge solution in high memory ultra-high frequency (UHF) RFID for aerospace and defense, manufacturing, oil and gas, and process industries. The Nano XL, which comes in an IP68-rated cased version and an embeddable iN version, delivers significant value in the following areas: operating location, information sharing across organizations, durability, security, information availability, and simplification of deployment without the need for complex IT integration.



Features:

- High user memory (up to 32k bytes)
- Can be mounted on or in metallic assets
- High application temperature range
- IP68 rated for harsh environments

Series Specifications:

EPC Class 1 Gen 2 (ISO 18000-6C)	4k byte or 8k byte user memory
Passive UHF RFID transponders	96-EPC bits, extendable to 224 bits (4k byte) or 496 bits (8k byte)
902-928 MHz (US)	866-868 MHz (EU)



Applications:

Remote asset management
Maintenance recording
Asset pedigree tracking



Applications:

Parts maintenance
Configuration management
MRO management

Nano XL

Dimensions	1.25 x 0.51 x 0.19 in (31.7 x 12.9 x 4.8 mm)
Weight:	0.18 oz (5 g)
Read range on-metal, 4W EIRP (2W ERP):	Up to 4 ft (1.2 m)
Read range on-metal, 2W EIRP US (1W EIRP EU):	Up to 2.6 ft (0.8 m)
Operating temperature:	+32°F to +158°F (0°C to +70°C)
Application temperature:	-40°F to +302°F (-40°C to +150°C)
IP rating	IP68

Nano-iN XL

Dimensions:	1.02 x 0.35 x 0.12 in (26 x 9 x 3 mm)
Weight:	0.12 oz (3.5 g)
Read range on-metal, 4W EIRP (2W ERP):	Up to 2.6 ft (0.8 m)
Read range on-metal, 2W EIRP US (1W EIRP EU):	Up to 2 ft (0.6 m)
Operating temperature:	+32°F to +158°F (0°C to +70°C)
Application temperature:	-40°F to +302°F (-40°C to +150°C)