

Pico iN Plus

STANDARD

HIGH TEMPERATURE

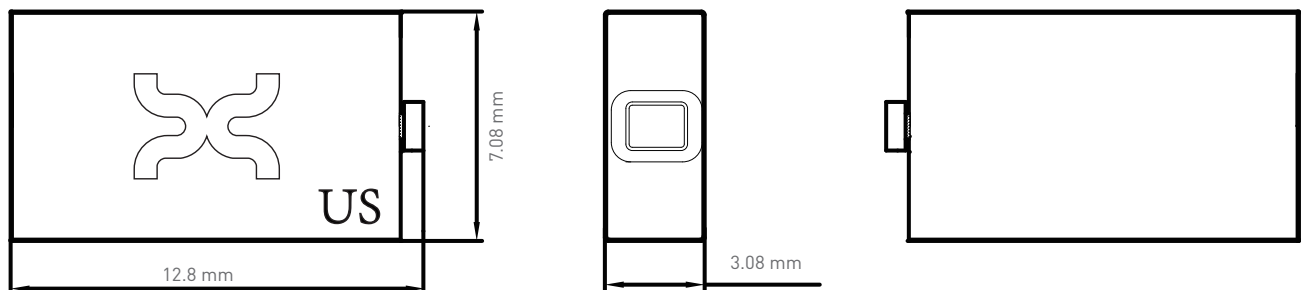
Functional Specifications

| | |
|---------------------------------------|---|
| RF air protocol | EPC Class 1 Gen 2; ISO18000-6C |
| Operating frequency | UHF 902-928 MHz (US); 866-868 MHz (EU) |
| IC type | Alien Higgs-3 |
| Memory configuration | 96-bit EPC; 512-bit user memory; 64-bit TID |
| Functionality | Read / write (user programmed) |
| Memory – expected read / write cycles | 100,000 cycles at 77°F (25°C) |
| Data retention | Up to 50 years ¹ |
| Warranty (limited) | 1 year |

Environmental and Industry Compliance

| | |
|------------|--------------------------------------|
| RoHS&REACH | EU Directive 2011/65/EU, EC1907/2006 |
| CE | Yes |
| ATEX/IECEX | Certified |

Product Dimensions and Weight



| | |
|---------------------------|---|
| Dimensions/tolerance (mm) | 12.8 (+/-0.3) x 7.08 (+/-0.3) x 3.08 (+/-0.2) |
| Dimensions/tolerance (in) | 0.50 (+/-0.011) x 0.28 (+/-0.011) x 0.12 (+/-0.008) |
| Weight | 0.05 oz (1.4 g) |



Pico-iN Plus

STANDARD

HIGH TEMPERATURE



Performance Characteristics

| | |
|---|--------------------|
| Read range on metal (2W ERP) ² | Up to 6.6 ft (2 m) |
| Polarization | Linear |

Physical Specifications

| | |
|-----------------|------------------------|
| Material | Ceramic |
| Mounting system | Epoxy, injection mould |
| Paint color | White |
| Logo color | Grey |

Operational and Environmental Specifications

| | |
|-------------------------|---|
| Shock (drop) | 3 ft (1 m) to concrete/granite up to 200 cycles |
| Vibration | MIL-STD-810G |
| Compression strength | Packaging dependent |
| IP classification | IP 68 |
| Humidity | |
| Operational humidity | 5%-95% non-condensing |
| Storage humidity | 5%-95% non-condensing |
| Operational temperature | |
| Cold | -22°F (-30°C) |
| Dry heat | +185°F (+85°C) |
| Thermal shock | -22°F to 185°F (-30°C to +85°C); cycled |

STANDARD VERSION

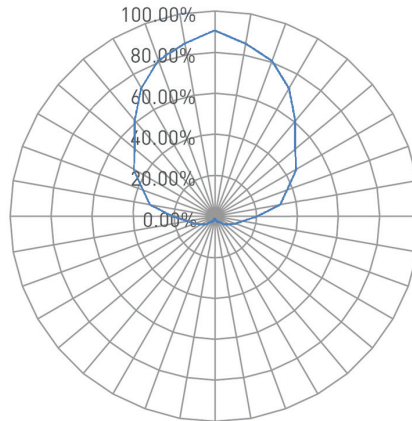
| | |
|----------------------------------|-----------------|
| Application temperature | |
| Cold | -40°F (-40°C) |
| Dry heat (Long term, hours/days) | +302°F (+150°C) |
| Dry heat (Short term, minutes) | +428°F (+220°C) |

HIGH TEMPERATURE VERSION

| | |
|----------------------------------|--------------------------------------|
| Application temperature* | |
| Cold | -40°F (-40°C) |
| Dry heat (Long term, hours/days) | +428°F (+220°C) |
| Dry heat (Short term, hours) | +482°F (+250°C) 6 hours |
| Peak temperature | +716°F (+380°C) less than 10 seconds |

*The tag performance in high temperature application depends on tag mounting method and environmental conditions.

Radiation Pattern



Order information

| | |
|----------------|--|
| X3210-US000-H3 | Pico iN Plus US Standard Version |
| X3210-EU000-H3 | Pico iN Plus EU Standard Version |
| X3210-US050-H3 | Pico iN Plus US High Temperature Version |
| X3210-EU050-H3 | Pico iN Plus EU High Temperature Version |

Pico Plus

AUTOCLAVABLE

For more information on Pico Plus autoclavable version, please download here or contact us at sales@xerafy.com