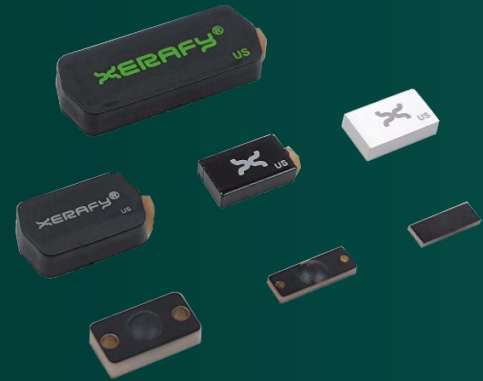


## RAIN | UHF - Industrial Tags Xerafy - PICO

- Comes with Alien Higgs 9 chip
- Small form factor
- Up to 6 meter reading range
- In metal embeddable
- Withstand high temp & chemicals



### UHF | RAIN - PICO Transponder Small industrial tags

The PICO series from Xerafy specializes in small, on-metal UHF | RAIN - RFID tags that are perfect for space-constrained applications in industries such as aerospace, manufacturing, data centers, and healthcare. These tags are crafted to deliver exceptional performance despite their compact size, ensuring reliable tracking in critical environments.

PICO series tags are uniquely designed for environments where traditional tags are too large or intrusive, such as tools and equipment. They are a testament to Xerafy's award-winning innovation in UHF | RAIN - RFID technology, offering tags with a breakthrough size-to-read distance ratio that does not compromise on durability or functionality.

Each PICO tag integrates advanced materials and packaging to protect against environmental challenges. The tags offer custom encoding capabilities, making them ideal for item-level asset management and operational efficiency in rigorous industrial settings.

Additionally, the PICO series offers an embeddable design that can be flush-mounted directly into metal, offering seamless integration for OEM manufacturers in the aviation, oil and gas, energy, and defense industries. This feature ensures optimal performance and reliability in applications where conventional tag placement is impractical.

### Common Applications

- Tool Tracking
- Weapon Management
- Maintenance
- Offshore Applications
- Datacenters
- Mold tracking



PICO On

PICO Off

PICO Mini 100

PICO Mini 150

PICO Mini 300

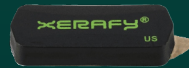
Pico In



	PICO On	PICO Off	PICO Mini 100	PICO Mini 150	PICO Mini 300	Pico In
OEM Part Number (P/N)	X3110-EU001-H9 (EU) X3110-US001-H9 (US)	X3310-EU001-H9 (EU) X3310-US001-H9 (US)	X1035-EUP00-U8 (EU) X1035-USP00-U8 (US)	X1204-EUP00-U8 (EU) X1204-USP00-U8 (EU)	X1307-EUP00-U8 (EU) X1307-USP00-U8 (US)	X3210-EU000-H9 (EU) X3210-US000-H9 (EU)
Frequency	865-868MHz (EU) 902-928MHz (US)	865-868MHz (EU) 902-928MHz (US)	865-868MHz (EU) 902-928MHz (US)	865-868MHz (EU) 902-928MHz (US)	865-868MHz (EU) 902-928MHz (US)	865-868MHz (EU) 902-928MHz (US)
IC type	Alien Higgs 9	Alien Higgs 9	NXP Ucode 8	NXP Ucode 8	NXP Ucode 8	Alien Higgs 9
Chip memory	48 bits TID / 96 bits EPC / 688 bits user memory	48 bits TID / 96 bits EPC / 688 bits user memory	96 bits TID / 128 bits EPC	96 bits TID / 128 bits EPC	96 bits TID / 128 bits EPC	48 bits TID / 96 bits EPC / 688 bits user memory
Read range on metal (fixed)	Up to 3 m	Limited	Up to 0,5 m	Up to 3 m	Up to 4 m	Up to 2 m (when embedded)
Read range off metal (fixed)	Limited	Up to 2 m	Limited	Limited	Limited	Limited
Material	Ceramic	Ceramic	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	Ceramic
Mounting systems	Industrial adhesive	Industrial adhesive	Epoxy	Epoxy	Epoxy	Epoxy, embedded
Operational temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Survival temperature	-40°C to +150°C	-40°C to +150°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +150°C
Compression strength	1,176 kPa	1,176 kPa	1,200 kPa	1,200 kPa	1,200 kPa	Packaging depended
IP rating	IP68	IP68	IP69K	IP69K	IP68	IP68
Dimensions	12.80 x 7.08 x 3.08 mm	12.80 x 7.08 x 3.08 mm	10 x 3.50 x 1 mm	12 x 4 x 1.50 mm	13 x 7 x 3 mm	12.80 x 7.08 x 3.08 mm
Weight	1,40 g	1,40 g	0,10 g	0,20 g	0,70 g	1,40 g
Applications	Hand tools for manufacturing, aerospace, railways, nuclear, military, Oil & Gas Weapon management Oilfield equipment Data centers	Hand tools tracking Scanners and readers Electronic devices IT asset management	Hand tools for manufacturing, aerospace, railways, nuclear, military, Oil & Gas Weapon management Oilfield equipment Data centers	Hand tools for manufacturing, aerospace, railways, nuclear, military, Oil & Gas Weapon management Oilfield equipment Data centers	Hand tools for manufacturing, aerospace, railways, nuclear, military, Oil & Gas Weapon management Oilfield equipment Data centers	Hand tools and equipments Oil wells equipments Injection molding

PICO Plus

NANO Plus



OEM Part Number (P/N)	X3110-EU101-H9 (EU) X3110-US101-H9 (US)	X1120-EU101-H9 (EU) X1120-US101-H9 (US)
Frequency	865-868MHz (EU) 902-928MHz (US)	865-868MHz (EU) 902-928MHz (US)
IC type	Alien Higgs 9	Alien Higgs 9
Chip memory	48 bits TID / 96 bits EPC / 688 bits user memory	48 bits TID / 96 bits EPC / 688 bits user memory
Read range on metal (fixed)	Up to 3 m	Up to 6 m
Read range off metal (fixed)	Limited	Limited
Material	Industry grade polymer	Industry grade polymer
Mounting systems	Industrial adhesive	Industrial adhesive
Operational temperature	-40°C to +85°C	-40°C to +85°C
Survival temperature	-40°C to +150°C	-40°C to +150°C
Compression strength	1,200 kPa	1,150 kPa
IP rating	IP68	IP68
Dimensions	17.70 x 10.90 x 5 mm	31.70 x 12.80 x 4.97 mm
Weight	2 g	5 g
Applications	Manufacturing hand tools and equipments Construction tool tracking Military equipments tracking	MRO tool tracking Manufacturing WIP IT asset management