

UHF | RAIN - Hard Tags Xerafy - High Temp

- Comes with Alien Higgs 9 chip
- Temp resistant up to 250°C
- Up to 10 meter reading range
- Suitable for on metal mounting
- Available as ATEX certified version



UHF | RAIN - High Temp Most advanced high temp tag

The MICRO series from Xerafy offers precision-engineered, high-temperature, on-metal UHF | RAIN - RFID tags tailored for critical tracking applications in the automotive, manufacturing, and medical device industries. These benchmark-leading tags are built to ensure consistent reliability even under the most extreme conditions.

Designed for the toughest environments, the MICRO series tags excel in withstanding extreme temperatures, mechanical shocks, corrosive chemicals, and high pressures. Fully waterproof and customizable with advanced encoding options, these tags guarantee reliable performance and impeccable data integrity across complex industrial processes.

The MICRO series pushes the boundaries of RFID technology. Each of the 6 rugged tags combines patented packaging and engineered casing materials to protect the UHF | RAIN - RFID chip from high temperatures, shocks, abrasions, pressure, and corrosives. Metal inserts enhance tag ruggedness, optimizing them for secure attachment with robust mounting systems such as rivets and screws.

Common Applications

- First choice for manufacturing
- Best for paint shop applications
- Best for complex processes
- Best for medical devices
- Full performance in the half the size
- The first choice for high temp



MICRO Industrial

MICRO Paint Shop

MICRO Autoclave

MICRO Medical

MICRO Power

MICRO Heat



OEM Part Number (P/N)	X1130-EU100-H9 (EU) X1130-US100-H9 (US)	X1130-EU130-H9 (EU) X1130-US130-H9 (US)	X1130-EU140-H9 (EU) X1130-US140-H9 (US)	X0353-EU100-U9 (EU) X0353-EU100-U9 (EU)	X3130-EU101-M750 (EU) X3130-US101-M750 (US)	X1220-EU050-H4 (EU) X1220-EU050-H4 (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	Alien Higgs 9	NXP UCODE 9	Impinj M750	Alien Higgs 4
Chip memory	48 bits TID / 96 bits EPC / 688 bits user memory	48 bits TID / 96 bits EPC / 688 bits user memory	48 bits TID / 96 bits EPC / 688 bits user memory	48 bits TID / 96 bits EPC	96 bits TID / 96 bits EPC / 32 bits user memory	64 bits TID / 128 bits EPC / 128 bits user memory
Read range on metal (fixed)	Up to 10 m	Up to 10 m	Up to 10 m	Up to 4,5 m	Up to 4 m	Up to 4 m
Read range off metal (fixed)	Limited	Limited	Limited	Up to 5 m	Limited	Limited
Material	Industry grade polymer 316L Stainless steel	Industry grade polymer 316L Stainless steel	Industry grade polymer 316L Stainless steel Silicone	Industry grade polymer Stainless steel	Industry grade polymer	High temperature polymer
Mounting systems	Pop rivets M3, Screws M3 Industrial adhesive (optional)	Pop rivets M3, Screws M3 Industrial adhesive (optional)	Pop rivets M3, Screws M3	Pop rivets M3, Screws M3 Cable ties	Industry grade polymer 316L Stainless steel Silicone	Screws M3, Cable ties Industrial adhesive
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 +250°C	-40°C to +250°C	-40°C to +250°C	-40°C to +150°C	-40°C to +150°C	-55°C to +215°C
Compression strength	1,250 kPa	1,250 kPa	1,250 kPa	N/A	1,250 kPa	2,450 kPa
IP rating	IP68	IP68	IP69K	IP69K	IP68	IP68
Dimensions	55 x 36.20 x 7.50 mm	55 x 36.20 x 7.50 mm	55 x 36.20 x 7.50 mm	89.50 x 13 x 6.10 mm	32 x 10.80 x 6 mm	42 x 15 x 2.10 mm
Weight	26 g	26 g	26 g	9.20 g	3 g	2.20 g
Applications	High temperature production Work in process Automotive assembly RTI management	Paint shop skids Chemical Pre-Treatments Cataphoresis coating High-Temp drying ovens Powder coating	Autoclave sterilization Surgical trays Medical devices Healthcare equipment	Surgical tray tracking Medical devices tracking Healthcare equipment	Power tool tracking Automotive Post-Paint process Construction tools Rental fleet management	High temperature production Work in process RTI management