

SIGMA UHF LED

ON-METAL TAG

60 × 20 × 3 MM

Locate. Identify. Act Faster.

Visual asset identification without batteries.

The Sigma UHF LED Tag features a built-in LED that can be activated remotely through RFID commands, enabling fast visual identification of a specific metal asset among many tagged items. Its battery-free design is reliable and maintenance-free.

KEY FEATURES

- Remote LED activation via RFID commands
 - Fast visual asset identification
 - Battery-free and maintenance-free
 - Designed for metal surfaces
 - Up to 7 m fixed-reader range
 - Up to 5 m handheld read range
 - LED light-on range up to 3 m
 - Rugged FR4 construction
 - IP67 rated
 - Adhesive mounting

SPECIFICATIONS

Product Name	Sigma UHF LED On-Metal Tag
Model	Sigma LED 620M
Frequency	865–868 MHz EU / 902–928 MHz US
Protocol	ISO 18000-6C / EPC Class 1 Gen2
Chip	XBL2005-KX
Memory	EPC 128 bits, User 1312 bits, TID 96 bits
Data Retention	50 years at operating temperature
Applicable Surface	Metal
Material	FR4
Dimensions	60 × 20 × 3 mm
Weight	7.5 g
Read Range	Fixed up to 7 m / Handheld up to 5 m
LED Light-On Range	Up to 3 m
Mounting	Adhesive
Operating Temperature	–20°C to +80°C
Storage Temperature	–30°C to +85°C
Humidity	5%–95% non-condensing
IP Rating	IP67
Colour	Black
Polarisation	Linear
Shock & Vibration	MIL-STD-810G

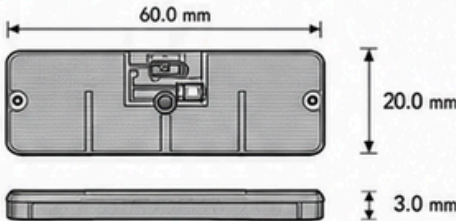
Read and LED activation ranges depend on reader, antenna and environment.

CHIP & PERFORMANCE

CHIPSET	EPC	USER	TID	FIXED READ	HANDHELD READ	LED ACTIVATION
XBL2005-KX	128 bits	1312 bits	96 bits	Up to 7 m	Up to 5 m	Up to 3 m

*Read and LED activation ranges depend on reader, antenna and environment.

DIMENSIONS



HOW THE LED WORKS



MOUNTING & OPTIONS

- Adhesive mounting
 - Encoding
 - Self-adhesive sticker

PRINTING & CUSTOMISATION

- LASER ENGRAVING
 - LOGO PRINTING
 - SERIAL NUMBERS
 - BARCODES OR CODES
 - RFID ENCODING

RECOMMENDED READER ★



Chainway C72 UHF Android 13 Mobile Scanner

- Up to 10 m read range
 - Android 13 OS
 - 5.2-inch display
 - UHF RFID 860–960 MHz
 - Wi-Fi, Bluetooth, 4G, GPS

APPLICATIONS

- ASSET MANAGEMENT
 - WAREHOUSE & INVENTORY
 - LOGISTICS & DISTRIBUTION
 - EQUIPMENT TRACKING
 - TOOL IDENTIFICATION
 - PICK-TO-LIGHT OPERATIONS

WHAT'S IN THE BOX

- Sigma UHF LED On-Metal Tag
 - Quantity as ordered
 - Bulk packed securely

Reader not included.
Available separately.

