UHF RFID LABEL · ON-METAL

OMT 6024

Tamper-Evident On-Metal UHF Label · 60 × 24 mm



The **OMT 6024** is a thin, **tamper-evident passive UHF RFID label for metal surfaces**. At just **60 × 24 × 1.2 mm**, it gives a **read range of up to 3 m** in the **860–960 MHz** band, with a **UCODE** chip and a permanent high-performance acrylic adhesive.

The printable white PET face takes your own logo and text, and labels can be pre-encoded with your EPC data or printed on demand on RFID thermal transfer printers. Use it to track and secure IT, office, hospital, industrial and kitchen assets and tools, and metal surfaces or liquid containers in logistics.

Up to 3 m	60×24 mm	IP67	20 yrs
READ RANGE	LABEL SIZE	PROTECTION	DATA RETENTION

KEY FEATURES

Built for metal
Reads reliably when applied to metal and all other surfaces, in a thin 1.2 mm profile with a permanent acrylic adhesive.

Tamper-evident
Removal damages the antenna in most cases, cutting read range to about 0.1 m, so your system can flag the asset as tampered.

Print & encode ready
Printable white PET face for your logo and text, custom EPC pre-encoding, and print-on-demand on RFID thermal transfer printers.

Built to last
IP67 protection, operation from −20 °C to +70 °C and data retention of up to 20 years.

TECHNICAL SPECIFICATIONS

Full Datasheet

ELECTRICAL PARAMETERS

Air interface	EPC Class 1 Gen2 / ISO 18000-6C
Frequency	860–960 MHz
IC type	UCODE®
Memory	EPC 96–128 bits
Data retention	Up to 20 years
Reading range	Up to 3 m (depends on reader)
Application surface	Metal and all other surfaces

MECHANICAL PARAMETERS

Tag size	60 × 24 × 1.2 mm
Face material	Printable white PET
Adhesive	High-performance acrylic, permanent
Mounting	Flat or curved surfaces

ENVIRONMENT

Operating temp.	−20 °C to +70 °C
Storage conditions	+20 °C / 50% RH
Protection	IP67
Certification	CE, RoHS

TAMPER EVIDENCE

On removal	Antenna designed to be damaged in most cases
After tampering	Read range drops to about 0.1 m (handheld reader)
Detection	System can flag a sudden drop in read range as tampering
Transfer	Non-transferable label

CUSTOMIZATION OPTIONS

- Customer-specific print layout with logo and text
- Customer-specific EPC pre-encoding
- Print on demand on leading RFID thermal transfer printers
- Disposable layer between labels for thermal transfer printing

APPLICATION AREAS

- Mount-on-metal applications
- IT and office asset tracking
- Tools and kitchen asset tracking
- Logistics with metal surfaces or liquid containers
- Hospital asset tracking
- Securing IT and industrial assets

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End-to-end deployment: consulting, hardware, software, install & support.

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