



Long Range Active RFID XT-M1 Strap Tag 433.92Mhz Datasheet

Applications: Baby & Infant Monitoring, Personnel Monitoring,, Emergency Evacuation, Health & Safety, Disabled Access, Time and Attendance, Patient Monitoring and Many More

Description

The Xtag XT-M1 strap tag when used in conjunction with the XT-M1 long range intelligent receiver technology allows system builders to easily integrate personal monitoring solutions into existing or new build projects to prevent unauthorised movement of subjects to outside a “safe” area.

The XT-M1 strap tag is small & discreet and weighs just 17grams when fitted. The tag is also hypoallergenic and water resistant.

Xtag readers and tags carry all the necessary type certification.

Tag Specification

Electrical Specifications

Supply Voltage 3V Internal Lithium Cell
Operational Life 3yrs @ 50% Duty Cycle
Duty Cycle 1:30 (1.4 second RF pulses)

Attachment Method

Extruded polymer custom tamper proof strap LLDPE (Linear Low Density Polyethylene)
Xtag tamper lock mechanism
Hypoallergenic, Latex free

RF Specifications

Operating Frequency 868 Mhz
Modulation AM (FSK)
FM Deviation < 35Khz
Harmonic Spurious Emissions < -40dBc
RF Output into 50 ohms typically +5dBm
Power Output into 50 ohms 2.5mW

Physical Specifications

Dimensions 42 x 32 x 14mm (L x W x H)
Weight 17 grams (inc. strap @ 200mm)
IP Rating IP67 Sealed
Case Construction ABS Plastic Injection Molding
Hypoallergenic, Latex free

Data Sterilisation

Cold sterilization requirements Immediately prior to use the tag
Requires wiping with an absorbent Pad soaked in a recognized cold Sterilizing fluid (IE alcohol)

Features

- ◆ Lightweight & hypoallergenic
- ◆ Compatible with Xtag active RFID technology
- ◆ Simple to use
- ◆ 3yrs life base on 50% duty cycle
- ◆ Multiple tag in field reading capability
- ◆ Secure tag to reader protocol
- ◆ RS232 compatible
- ◆ Wireless exempt 868.95Mhz technology

Compliant with the EMC and R&TTE directives governed by the UK Radio Interface Requirement.



EN 301489 P1
Emissions &
Immunity,
R&TTE 203



Classified as a Class 2 Security Product

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