

Programmable tag with 20 years lifetime



KEY FEATURES

- ▶ Heavy duty design for rail environments
- ▶ Predictable 20 years lifetime
- ▶ High passage speed
- ▶ Small size
- ▶ Up to 48-bit programmable data

Innovation and experience

RailTag is a 2.45 GHz heavy duty tag for rail applications. The tag is electrically programmable with up to 48 bits of user-defined data. This data is typically containing information about tag identity and/or tag location, and is passed on to a CBTC system, a system for displaying passenger information, or any other system requiring such information.

RailTag is based on over 10 years of experience and successful deployment world-wide in installations done in locations varying from extremely cold to extremely hot. The tag design and tag data retention supports 20 years lifetime. RailTag is vibration resistant, waterproof, UV stable as well as resistant to corrosion and chemicals.

RailTag is used together with TagMaster HD Reader, and fully supports APOS™, a reader function based on real-time signal processing for very accurate location of train position. This function support high speed passages and even long distance between tag and reader.

PART NO. INFORMATION	DESCRIPTION
149800, RailTag	Tag for Rail applications
183800, RailTag Programmer	Programmer for RailTag
195503, RailTag Bracket	Bracket for RailTag
156640, HD Reader	Reader for Rail applications
151600, HR-2 Reader	Handheld reader

TECHNICAL INFORMATION

Operation frequency	: 2.435 GHz to 2.465 GHz
Reading Range	: Up to 6 metres, typical installation done at 0.3 -1.0 meter
Dimensions	: 92 x 59 x 23 mm (3.6 x 2.3 x 0.9 inch)
Weight	: 80 g (0.18 lbs)
Enclosure	: PBT plastics
Colour	: Black
Battery lifetime	: 20 years
Operating temperature	: -40°C (-40°F) to +85°C (+185°F)
Ingress protection	: IP67
Certificates	: CE Certificate according to RED 2014/53/EU, Electrical safety EN 60950-1 and EN 60950-22, Health/EMF 1999/519/EC, Radio EN 300 440-1 and EN 300 440-2, CFR 47 Part 15 subpart C, EMC EN 301 489-3, EN 50121-3-2 and EN 50121-4, RoHS 2002/95/EC and RoHS2 directive 2011/65/EU. WEEE directive 2002/96/EC. Temperature EN 60068-2-14 Nb, EN 60068-2-30. Vibration EN 60068-2-27 Ea, EN 60068-2-27 Eb. EN 60068-2-64 Fh, Solar radiation EN 60068-2-5 Sa C 56d.

Due to TagMaster's continuous effort to develop the products in response to customer needs, the above specifications are subject to change.