



## **sensorEdge™** **Optical Tag**

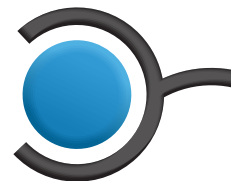
PLK-SE030-OP1

### Product Data Sheet

#### Applications

- Supply chain integrity control ■
- Product integrity ■
- Environmental control ■
- Security ■





## Description


Purelink's **sensorEdge™** Optical Tag is an active RFID tag built for RTLS applications and is a versatile wireless optical sensor built for security applications, such as theft prevention or detection of breaches of sealed environments. The PLK-SE030-OP1 can be placed inside rooms, containers, crates or any other type of sealed environment. It then monitors ambient light levels and checks for any variations. If a breach in the environment is detected, the PLK-SE030-OP1 will automatically record this breach and notify the concerned individuals. Users can automatically validate the integrity of containers, packages and products at any point in the supply chain.

As part of the **nanoEdge™** family of products, Purelink's **sensorEdge™** PLK-SE030-OP1 Optical Tag can be located and tracked by **nanoEdge™** Tracking Systems or used with the **Bluefairy™** Suite for location-aware applications while delivering ambient light data from its environment.



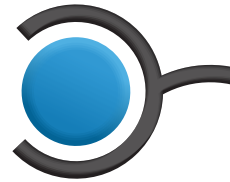
PLK-SE030-OP1

## Technical Specifications

<b>Operation Frequency</b>	5.8 GHz, Digital Impulse Modulation, TDMA ISM Band Airport and healthcare environment compliant
<b>Tag Blink Rate</b>	From 0.2 (default) seconds to 10 minutes
<b>Performance</b>	Outdoor range: 200 m Indoor range: 100 m
<b>Location Accuracy</b>	± 2 m (using <b>nanoEdge™</b> Tracking System)
<b>Lifespan</b>	3V integrated lithium battery (not replaceable) Typical battery life: 5 years at 1 blink per second 2.5 years at 5 blinks per second
<b>Max. Transmitted Power</b>	12 dBm (15 mW)
<b>Programmability</b>	Factory
<b>Environmental Specifications</b>	Temperature: -20 °C to +60 °C (Operation) -30 °C to +60 °C (Storage)
<b>Dimensions (L x W x H, mm)</b>	85 x 54 x 4
<b>Weight</b>	35 g
<b>Packaging Format</b>	White polycarbonate, UV resistant, IP54 rated
<b>Other Available Colors</b>	
<b>Rebranding / Cobranding</b>	Available on demand
<b>Certification / Compliance</b>	Industry Canada FCC ETSI
<b>Warranty</b>	1 year limited warranty, battery included



Return your personnel badges, asset tags or sensor tags to Purelink at the end of their life cycle and receive a 2.5% discount on your next purchase.



## Description

### WARRANTY

#### 1 OTHER WARRANTY RIGHTS AND NATIONAL LAW

1.1 This warranty does not exclude or limit the buyer's statutory rights provided by national law, in particular, any such rights against the seller that arise from a legally effective purchase contract.

1.2 The warranty regulations mentioned herein are applicable unless they constitute an infringement of national warranty law.

#### 2 WARRANTY

2.1 PURELINK (PURELINK TECHNOLOGY INCORPORATED) warrants the mechanical and electronic components of this product to be free of defects in material and workmanship for a period of one (1) year from the original date of purchase, in accordance with the warranty regulations described below. If the product shows any defects within the specified warranty period that are not excluded from this warranty as described under paragraph 5, PURELINK shall, at its discretion, either replace or repair the product using suitable new or reconditioned parts. In the case that other parts are used which constitute an improvement, PURELINK may, at its discretion, charge the customer for the additional cost of these parts.

2.2 If the warranty claim proves to be justified, the product will be returned to the user freight prepaid.

2.3 Warranty claims other than those indicated above are expressly excluded.

#### 3 RETURN AUTHORIZATION NUMBER

3.1 To obtain warranty service, the buyer (or his authorized dealer) must call PURELINK during normal business hours BEFORE returning the product. All inquiries must be accompanied by a description of the problem. PURELINK will then issue a return authorization number.

3.2 Subsequently, the product must be returned in its original shipping carton, together with the return authorization number to the address indicated by PURELINK.

3.3 Shipments without freight prepaid will not be accepted.

#### 4 WARRANTY REGULATIONS

4.1 Warranty services will be furnished only if the product is accompanied by a copy of the original retail dealer's invoice. Any product deemed eligible for repair or replacement under the terms of this warranty will be repaired or replaced.

4.2 If the product needs to be modified or adapted in order to comply with applicable technical or safety standards on a national or local level, in any country which is not the country for which the product was originally developed and manufactured, this

modification/adaptation shall not be considered a defect in materials or workmanship. The warranty does not cover any such modification/adaptation, irrespective of whether it was carried out properly or not. Under the terms of this warranty, PURELINK shall not be held responsible for any cost resulting from such a modification/adaptation.

4.3 Free inspections and maintenance/repair work are expressly excluded from this warranty, in particular, if caused by improper handling of the product by the user. This also applies to defects caused by normal wear and tear, in particular, of switches, connectors, illuminants and similar parts.

4.4 Damages/defects caused by the following conditions are not covered by this warranty:

- improper handling, neglect or failure to operate the unit in compliance with the instructions given in PURELINK user manuals.
- connection or operation of the unit in any way that does not comply with the technical or safety regulations applicable in the country where the product is used.
- damages/defects caused by force majeure or any other condition that is beyond the control of PURELINK.

4.5 Any repair or opening of the unit carried out by unauthorized personnel (user included) will void the warranty.

4.6 If an inspection of the product by PURELINK shows that the defect in question is not covered by the warranty, the inspection costs are payable by the customer.

4.7 Products which do not meet the terms of this warranty will be repaired exclusively at the buyer's expense. PURELINK will inform the buyer of any such circumstance. If the buyer fails to submit a written repair order within 6 weeks after notification, PURELINK will return the unit C.O.D. with a separate invoice for freight and packing. Such costs will also be invoiced separately when the buyer has sent in a written repair order.

#### 5 WARRANTY TRANSFERABILITY

This warranty is extended exclusively to the original buyer (customer of retail dealer) and is not transferable to anyone who may subsequently purchase this product. No other person (retail dealer, etc.) shall be entitled to give any warranty promise on behalf of PURELINK.

#### 6 CLAIM FOR DAMAGES

Failure of PURELINK to provide proper warranty service shall not entitle the buyer to claim (consequential) damages. In no event shall the liability of PURELINK exceed the invoiced value of the product.

# Purelink Technology, Inc.

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