

RTLS Blink Repeater

Relay trapped tag signals to the location infrastructure

Never loose tags which are caught in an RF resistant vehicle or environment
 Due to the Faraday cage effect radio signals of tags are trapped inside vehicles, wagons or inside metallic objects. The Blink Repeater has been developed to overcome this problem. The tag signals are gathered inside the vehicles and sent as collection to the anchors outside. The anchors will observe the position of the tags as a single group located at the coordinates of the Blink Repeater. Up to 336 tags can be collected by a single Blink Repeater. It is designed to operate with nanotrons tags, anchors and the location engine nanoLES.

Use Cases

The Blink Repeater can be used to relay tags from cars, busses, trucks, wagons, lifts, etc. The functionality can also be used as proximity detector for automatic door access control systems. Further, it can be used to check the presence or to count the number of objects in a given zone without the need to install an infrastructure to a far place. The Blink Repeater will relay with a high gain antenna the tags detected in its zone to an existent distant infrastructure.

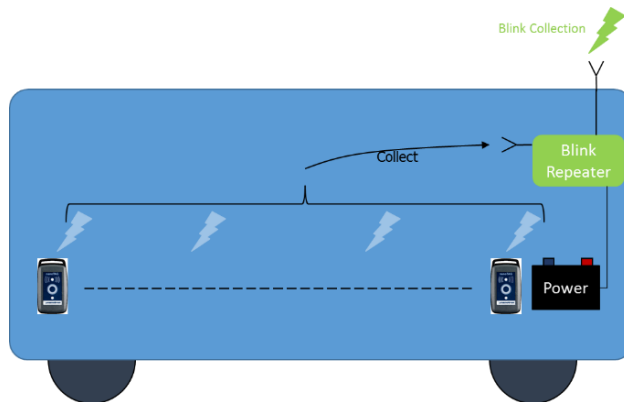


Figure 1 Relay Functionality Concept

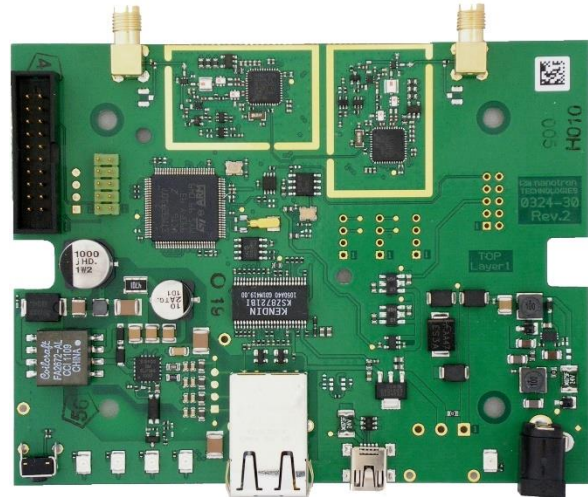


Figure 2 Blink Repeater

Key Features

- ▶ 2.4 GHz ISM band
- ▶ Localization accuracy of the Blink Repeater ca. 1.5 m
- ▶ Localization of the tags equals the Blink Repeater position
- ▶ Configurable time to collect tags
- ▶ Configurable repetition time
- ▶ Adjustable Tx power
- ▶ Adjustable Rx sensitivity
- ▶ USB for configuration and updates
- ▶ Temperature -30° to +70° C
- ▶ Voltage: +12 V to +24 Volts
- ▶ Size: 120 x 100 x 18 mm³ Blink Repeater
- ▶ Weight: 65 g Blink Repeater

Ordering Information

Order no.	Description
MNACORBLRP	Blink Repeater

About nanotron

Nanotron is a leading provider of electronic location awareness solutions. If knowing what, where and when is mission-critical to your business, rely on nanotron with Location Running. Nanotron's solutions deliver precise position data augmented by context information in real-time. Location Running means, reliably offering improved safety and increased productivity, 24 hours a day, 7 days per week: Location-Awareness for the Internet of Things (IoT).

Nanotron Technologies GmbH is a wholly owned subsidiary of Sensera Limited (ASX: SE1), an IoT solution provider that delivers sensor-based products transforming real-time data into meaningful information, action and value.

Visit www.nanotron.com or for more information on nanotron's complete line of products and tools or write to us at nanotron Technologies GmbH, Alt-Moabit 60, 10555 Berlin, Germany.

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