

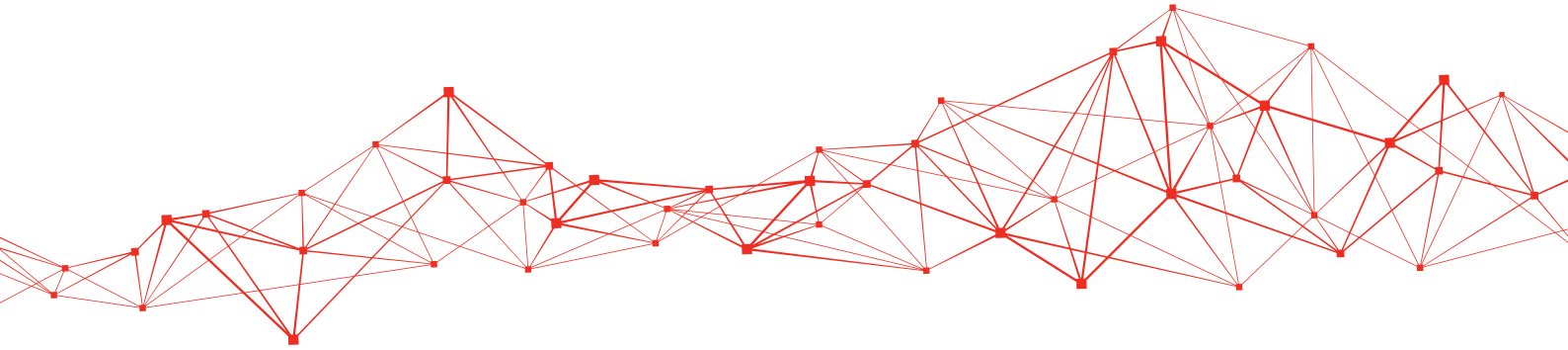
PRODUCT INFORMATION

# ARU 8500 RFID Antenna Reader Unit

BEST  
2020 PRACTICES  
AWARD

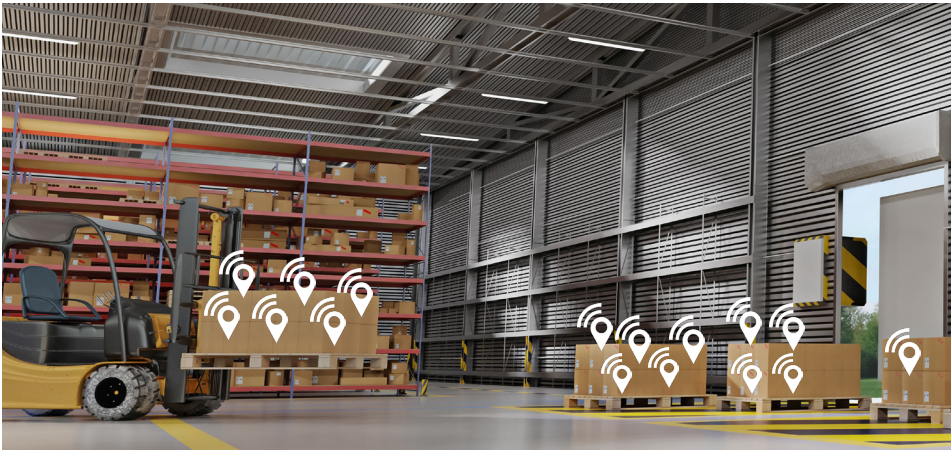
EUROPEAN RFID READERS  
IN MANUFACTURING AND LOGISTICS  
NEW PRODUCT INNOVATION AWARD

Shipping Control by means of Precise RFID Direction Recognition



**KATHREIN**

## > Shipping Control by Means of Precise RFID Direction Recognition ARU 8500



Frost & Sullivan honours Kathrein Solutions with the 2020 Best Practices Award for „European RFID Reader in Manufacturing and Logistics new Products Innovation“.



Representation:

Dock door with an integrated RAIN RFID reader for the automatic registration of incoming and outgoing goods.

Ubiquity means the ability to be present everywhere. However, it is also a requirement for industrial production or logistics processes that shipped goods or commodities are tracked at all times. The transitions between the production areas or

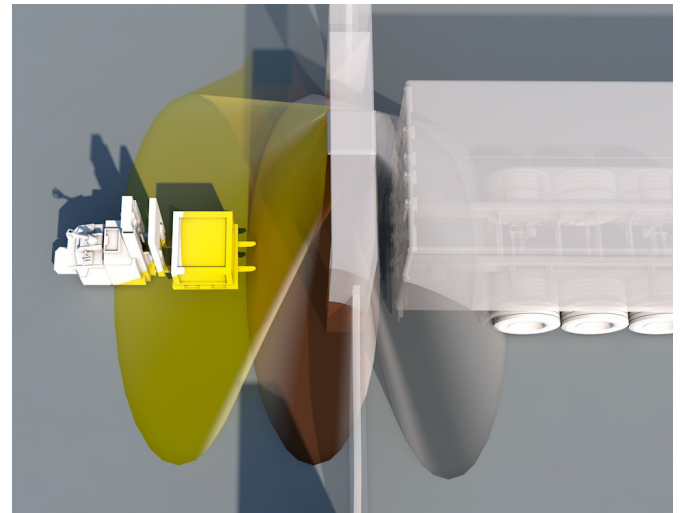
individual parts in the supply chain are of central importance. The new ARU 8500 reader enables a reliable detection of goods and the direction of movement.

### Circular Switch-Beam Antenna

The core function of the ARU 8500 is a circular switch-beam antenna. In contrast to standard RFID antennas, the antenna beam here can be swivelled in three areas to track the direction of movement in a gantry or when the goods pass through a gate. The otherwise easily detected pass-through area is divided into three zones in order to reliably determine the direction of movement when the goods pass through the gate (zone 1 to 3; zone 3 to 1). Particularly helpful here is the ability to distinguish the transported goods that pass through all three zones from the unmoved goods that are only detectable in one zone.

### 6-Port Reader

To ensure precise reading even in a harsh environment, it is possible to connect three additional antennas to the ARU 8500 to combine the dynamic reading with static readings.



3D graphics:  
Overhead mounting of the ARU 8500 reader at the dock door with three reading zones.

## > Areas of Application

The new ARU 8500 is the perfect solution for registering goods movement in the industrial, logistics and retail sectors. This feature is ideal for dock doors to detect goods and their direction of movement, as well as an anti-theft system to check whether the goods have been paid for when customers leave the store.

## > Advantages

- Automatic loading verification
- Integrated direction recognition
- 3 additional external antenna ports
- Cost-effective overhead mounting