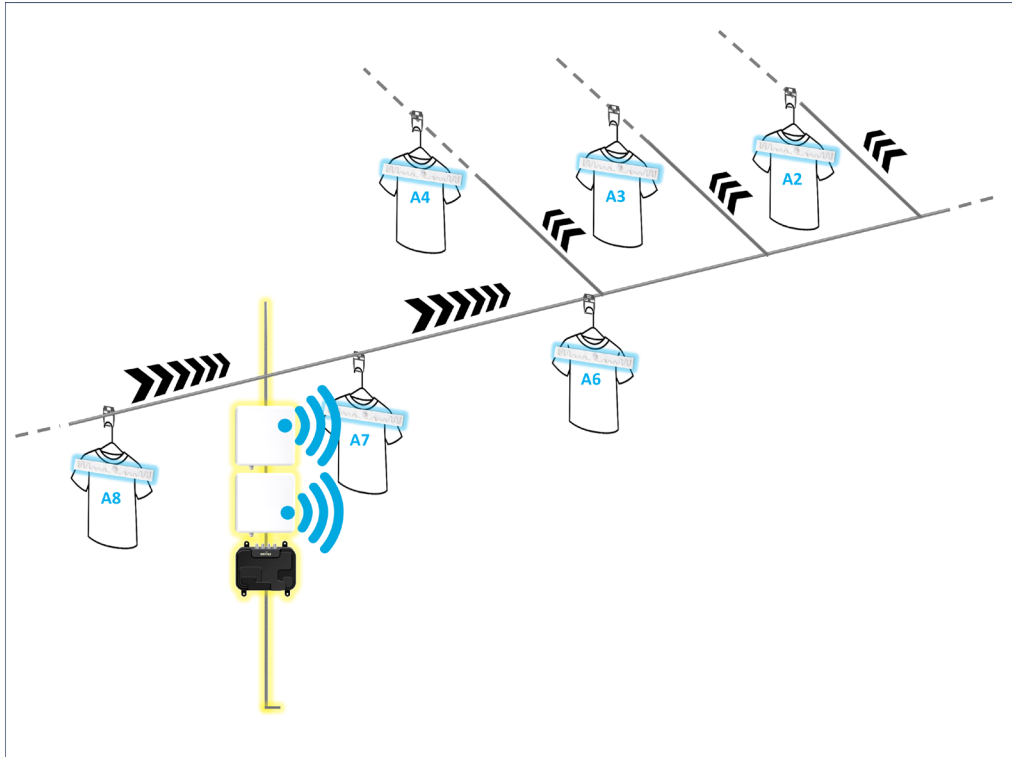


UHF Read on the Fly (RoF)

for garment sorting systems



Product info

- Designed for high-speed sorting conveyors
- Combined Hardware and Software solution to achieve maximum reading reliability
- Can be retrofitted on any existing conveyor
- Based on Cloudburst, the RoF algorithm recognizes tag read patterns and assigns the right garment to the right conveyor slot.

Product Description

In fast moving garment conveyors, choosing the best UHF reading hardware and configuring it with the best settings may not be sufficient to achieve optimal reading performances. Changing environment or variable tag performances can lead to unreliable readings which do not correspond to the actual conveyor sequence.

To push reading performances further, Datamars has designed the Read On the Fly (ROF) algorithm that takes advantage of the conveyor repetitive motion to recognize tag reading patterns and understand at any time, which tag is in front of the antenna and thus assigning the right garment to the right conveyor slot.

The RoF algorithm runs directly on the reader making the solution extremely easy to deploy. The supporting hardware is equally simple, relying on a reader and four antennas.

UHF Read on the Fly (RoF)

Hardware Components

1 x UHF LONG RANGE READER

R-UHF-R700 (discover more [here](#))
with **Cloudburst SW** pre-installed (discover more [here](#))



2 x (or 4) UHF NARROW BEAM CONVEYOR ANTENNA

A-UHF-CON-131 (discover more [here](#))



Software components

1 x Cloudburst SW **BASE LICENSE** (discover more [here](#))



1 x Cloudburst SW **RoF LICENSE**

