CLOUDBURST

Software layer for UHF readers

Product info

- Seamless integration with web oriented and cloud-based ERP software
- Simple yet powerful Web based Graphical User Interface
- No need for software development
- Pre-configured reading modes
- Fits laundry RFID requirements
- Combo mode, for smooth RFID technology transition
- Advanced filtering options
- Flexible EPC data format

Product Description

Datamars has completely reimagined reader software and has developed Cloudburst, a software layer that runs on the Impinj Speedway® Revolution readers. Cloudburst reduces the overall complexity related to RFID implementation while maximizing the reader performances in a laundry environment.

Cloudburst enables laundry managers to quickly deploy the RFID system. Web oriented, it simplifies integration with cloud-based ERP software and allows to easily integrate UHF readers with no need for software development and deep RFID knowledge. It comes with pre-configured reading modes that optimize RFID reading performances depending on the reading station.

This software is also aimed at controlling the UHF hardware when used in combination with HF and LF hardware, to allow a smooth transition between the different RFID technologies.
## CLOUDBURST

### UHF SW Cloudburst

#### Technical data

| Supported readers | Speedway R-UHF-SR420 (antenna hub supported)  
| Supported readers | Speedway R-UHF-SR220  
| Supported readers | Speedway R-UHF-SR120 (antenna hub supported)  
| Supported readers | xPortal R-UHF-XPORTAL  
| Supported physical interfaces | Ethernet  
| Supported physical interfaces | RS-232  
| Supported physical interfaces | USB keyboard wedge (multiple layouts available)  
| Supported protocols and data formats | HTTP POST (JSON, form encoded RAW string)  
| Supported protocols and data formats | Websocket (JSON, RAW string)  
| Supported protocols and data formats | RAW TCP/IP Ethernet socket (RAW string)  
| Configurable data output | EPC, antenna port number, RSSI, timestamp  
| Configurable data output | Keepalive, status messages, GPI status  
| Advanced filtering options | Lock code (time based or reading window based)  
| Advanced filtering options | Two GEN2 and up to nine SW code masks (exclude or include)  
| Advanced filtering options | Antenna based masks  
| Settings management | Automatic re-load at boot of stored parameters  
| Settings management | Down/Uploadable configuration file for easy RFID deployment  
| GPIO management | GPI triggered reading start and stop  
| GPIO management | Customizable GPO activation based on events  
| Combo mode | LF and HF readers supported  

#### Ordering information

| R-UHF-SR120 CB | ETSI: 800 3075-300  
| R-UHF-SR120 CB | FCC: 800 3075-301  
| R-UHF-SR220 CB | ETSI: 800 3075-302  
| R-UHF-SR220 CB | FCC: 800 3075-303  
| R-UHF-SR420 CB | ETSI: 800 3075-304  
| R-UHF-SR420 CB | FCC: 800 3075-305  
| Datamars Cloudburst SW license | 800 3075-972  

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