CLOUDBURST

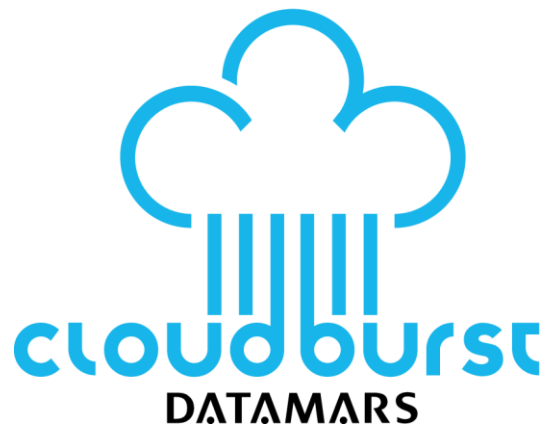## Software layer for UHF readers

SW-Cloudburst

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

- Embeds Datamars RFAID^{TM} technology

- Fits laundry RFID requirements

- Combo mode, for smooth RFID technology transition

- Advanced algorithms and 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 and the R700 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.

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UHF SW Cloudburst

Technical data

Supported readers	Impinj R700 Speedway R-UHF-SR420 (antenna hub supported) Speedway R-UHF-SR220 (antenna hub supported) Speedway R-UHF-SR120 (antenna hub supported)
Supported physical interfaces (might vary depending on the reader)	Ethernet RS-232 USB keyboard wedge (multiple layouts available) *
Supported protocols and data formats	HTTP POST (JSON, form encoded RAW string) WebSocket (JSON, RAW string) RAW TCP/IP Ethernet socket (RAW string)
Configurable data output	EPC, antenna port number, RSSI, timestamp Keepalive, status messages, GPI status
Advanced filtering options	Advanced algorithms to guarantee an accurate reading Lock code (time based or reading window based) Two GEN2 and up to nine SW code masks (exclude or include) Antenna based masks
Settings management	Automatic re-load of stored parameters at boot Down/Uploadable configuration file for easy RFID deployment
GPIO management	GPI triggered reading start and stop Customizable GPO activation based on events
Combo mode	LF and HF readers supported

* Not available on the R700 reader

Ordering information

R-UHF-SR220 CB with Cloudburst SW pre-installed	ETSI: 800 3075-302 FCC: 800 3075-303
R-UHF-SR420 CB with Cloudburst SW pre-installed	ETSI: 800 3075-304 FCC: 800 3075-305
R-UHF-R700 CB with Cloudburst SW pre-installed	ETSI: 800 3075-312 FCC: 800 3075-313
Datamars Cloudburst SW license	800 3075-972
Datamars Standalone to Cloudburst upgrade	800 3075-977

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Datamars Cloudburst SW optional licenses

FTP license	800 3075-973
Multi mode license	800 3075-974
RoF license	800 3075-975
Peak filter license	800 3075-976