



# smartflow<sup>®</sup>

Security and Operability for the Digital Mine.



LASEC

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MINING SYSTEMS



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ST4RT THE CHANGE



smartflow®

Monitoring device / Scattered spectrum technology

# SmartReader V3.0

## INTRODUCTION

**SmartReader** version 3.0 devices are located at strategic reading points of sites of interest for real-time monitoring of SmartTags of dispersed spectrum technology, which processes and sends information via Ethernet or WiFi networks to **SmartFlow®** software. Its graphical interface allows to display data in strategic places.

## BENEFITS

- Reading of scattered spectrum technology tags
- Alarm communication
- Load control with GPIO ports
- Reading external sensors
- PoE + or AC power
- Ergonomic
- Easy to install
- Standard Ethernet and Wi-Fi communications

## CHARACTERISTICS

- Transmission power -16 to 22 dBm
- ISM band Frequency range (2.4 GHz to 2.4835 GHz)
- 9 GPIO ports
- 4 ADC ports
- Ethernet connectivity, 2.4GHz WiFi, Bluetooth 4.0
- 64 GB storage (expandable with MicroSD)
- WINDOWS 10 IoT ENT 2016 LTSB ENTRY operating system

## MECHANICAL SPECIFICATIONS

- Dimensions: H: 248.92mm x L: 174.06 x W: 101.6 mm
- Temperature -20 °C to 70 °C

## ELECTRICAL SPECIFICATIONS

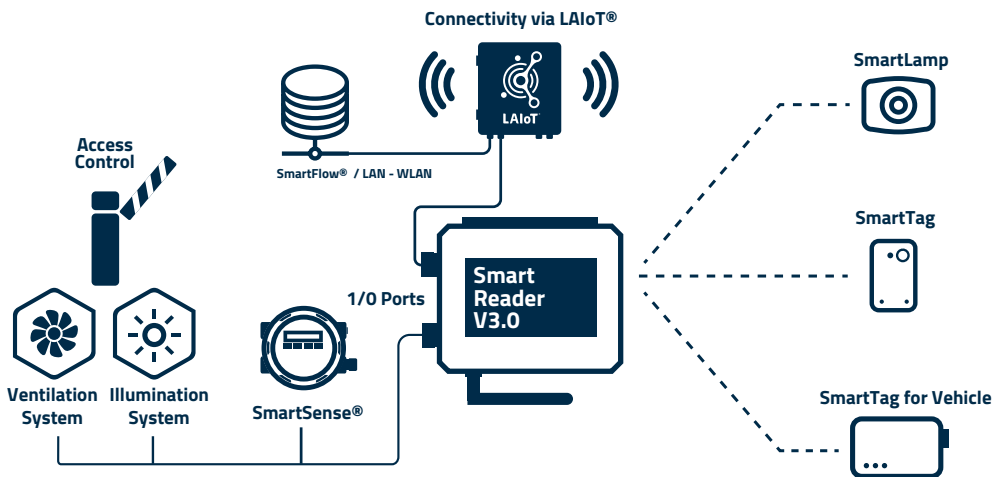
- Power supply voltage 85-240 VAC
- AC Current .35 Amp
- PoE + standard 802.3 AT (See model)



PRODUCT SPECIFICATIONS

HARDWARE / Data Sheet

## OPERATING SCHEME



## PART NUMBERS

Part number	Description
5.2 SF-SR-3.1-W-A	<b>SmartReader V3.0</b> with 64 GB SSD, UTP network ports, Wifi, HDMI. 110-220V power supply, Windows 10, without display.
5.2 SF-SR-3.1-B	<b>SmartReader V3.0</b> with backup battery, 64 GB SSD, UTP and Wifi network port, PoE, Windows 10, without display.