

## CenSys Integrated RFID Reader



### Introducing Accessibility to RFID Technology

As a streamlined, easy-to-install and cost-effective solution, the CenSys reader offers ultra-high frequency (UHF) RFID asset tracking that's accessible to a broader range of applications and markets. It's designed as a low bandwidth device, enabling large deployments of readers to be managed from the cloud. The CenSys reader may also work as an IoT (Internet of Things) device, making it the first RFID device of its kind. Additional benefits include:

#### Features:

- Low Bandwidth
- MQTT for IoT Connectivity
- LED Information: Programmable flash. Color for events.
- 2-Way Software Communication
- Audio Information: Programmable Tone, Beep
- Adaptive Antenna Tuning

#### ▶ Easy Installation

- WiFi connected
- USB / 5V / 24V powered
- No complex wiring needed

#### ▶ Streamlined Asset Tracking

- Fully-integrated RFID reader with internal antenna
- Detect room-level presence/location of assets with RFID tags
- Use of Brady or independent cloud software

#### ▶ Adaptability

- Utilize standard IoT messaging protocols
- Host in the cloud or locally
- Expand up to 4 antennas off of one reader



## UHF RFID Antenna Interface

Antenna	One integrated 6.0 dBi antenna, 902 to 928 MHz
Expansion	Up to 4 mmcX connectors
RF Power Output	30.0 dBm (1.0 W) into
Regulatory Regions	FCC 902-928 MHz IC

## Tag Protocols

RFID Protocol Support	GS1 - EPC UHF Gen 2 Air Interface Protocol v2.0.1 (ISO 18000-63)
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## Power

External DC Power – 2 options	Option 1: 5V 2A over USB interface or terminal block Option 2: 12-24 V 1A via terminal block
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## Physical

Dimensions	7.25" Tall x 5.60" Wide x 1.10" Height
Weight	1.1 lbs.

## Environment

Operating Temp.	-20°C to +50°C (-4°F to 122°F)
Storage Temp.	-30°C to +85°C (-22°F to 185°F)
Humidity	10% - 90% non-condensing

## Regulatory and Safety

Compliance	ROHS Compliant
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## Features

Networking	OASIS MQTT 3.1.1 protocol
Web-based Control	Setup interface using web browser Wi-Fi via HTTP
Security	TLS/SSL-based security

## Control and Wireless Interfaces

Connectors	USB micro B
Wireless	Wi-Fi: IEEE 802.11 b/g/n 2.4GHz Supports WPA/WPA2 – PSK and WEP
Indicators	1 RGB LED status indicator Customizable audio indicator

▶ **For additional information,  
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Or visit [BradyCenSys.com](http://BradyCenSys.com)**