MiniSens

An EPIC Reader

The MiniSens is an **EPIC** RAIN RFID **reader,** incorporating an internal near-field **antenna**, for **passive tag** reading in a small package, perfect for any desk, counter, or machine.

Reader Features:
- **EPIC** data integrity
- Passive sensor capability
- Integrated 0.6 m range antenna
- Single USB-C cable
- Visual and audible indicators

MiniSens delivers essential functionality in a **cost-effective** and small package This makes it a great choice for any business setting, from the manufacturing floor to high-end retail.

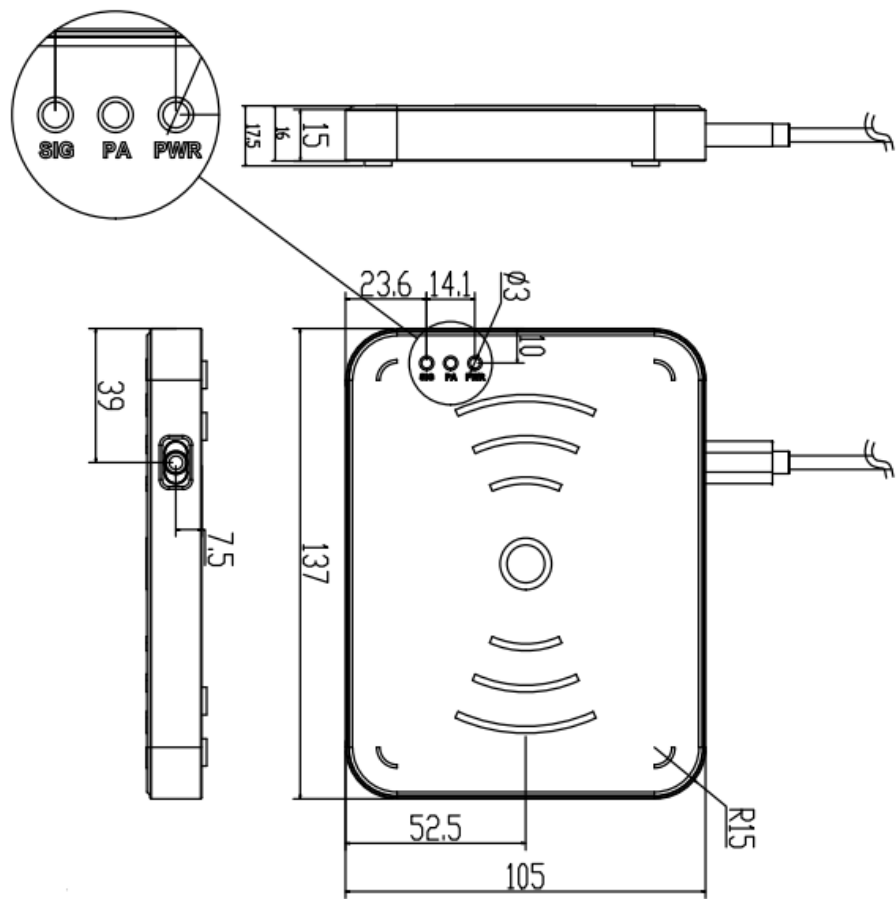| Feature	How?	Benefit
Data integrity	EPIC provides forward error correction to fix data corruption within tag memory and data transmission.	Never see bad data from your tags. Infinite tag lifetime
Sensor support	Unique read algorithms provide more accurate data from passive sensor tags.	Accurate reporting of moisture, composite resin curing, etc.
Programming support	Read application and SDK development kit with C#, Java, and other support.	Simple programming and fast time to market.
Simple interface	USB-C connectivity	Easy and intuitive to use.
	Visual and audible indicators	
Performance	+27 dBm transmit power	Reliable read performance and faster results.
	0.6m read range	
Aesthetics	Jet Black, Slim form-factor of 16mm/0.63" thick. White color variant available.	Seamlessly blends into the office/store environment.

Power and Interface Specifications

Parameter	Specification
Interface	USB Type-C
Software Support	Read application, SDK support

RF Specifications

Parameter	FCC	ETSI
Reader Protocol	EPC Class 1 Gen 2v2 and 18000 – 6C/6B	
Operating Frequency	902.75 MHz – 927.25 MHz	865.6 - 867.6 MHz
RF Transmitter Power	< +27 dBm (21dBm optimal)	
Read Distance	Adjustable to 0.6 m	

Specifications subject to change

Physical and Environmental Specifications

Parameter	Specification
Dimensions	(cm) 13.7 x 10.5 x 1.6 · (in) 5.4 x 4.13 x 0.63
Weight	Approximately 197 g (0.44 lbs)
Operating Environment	-20 to 60C, 10% to 95% RH non-condensing, IP53 rating
Compliance Certifications	FCC Part 15; FCCID: In Progress, IEC 60950-1

Ordering Information

Model	Region	SKU
MiniSens	FCC	MiniSens-FCC
	ETSI	MiniSens-ETSI

SensThys, Inc · 21060 Homestead Road · Suite 226 · Cupertino · CA 95014 · www.sensthys.com

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