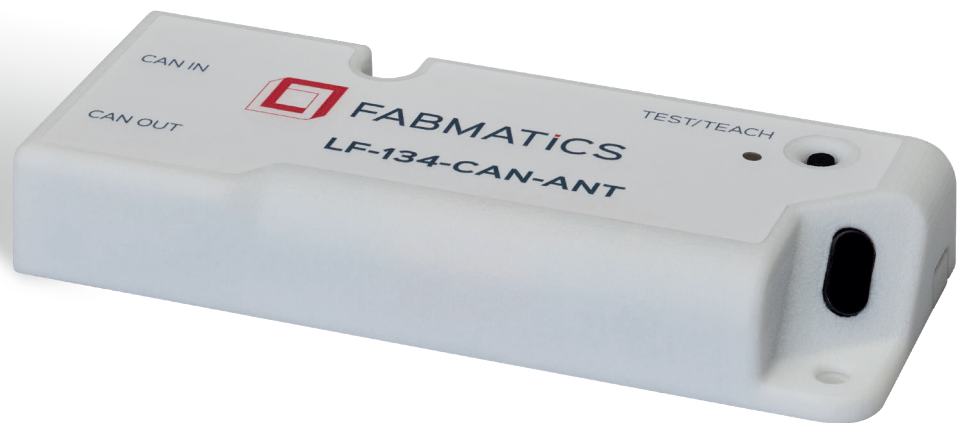




# LF-134-CAN-ANT

CAN bus-based RFID for easy retrofits



## Key Features

- Integrated LF RFID reader with antenna and sensor
- 3D ToF placement detection
- Ultracompact form factor
- Single CAN bus interface
- 134.2 kHz LF transponder support

## Benefits

- Minimal cabling effort
- Cost-efficient system retrofit
- Easy scalability on CAN bus
- Reliable placement detection
- Ideal for semiconductor fabs

The LF-134-CAN-ANT is a highly integrated LF RFID reader designed for space-constrained applications in semiconductor manufacturing. It combines RFID reader, antenna, and placement detection in a single compact device, making it ideal for retrofitting shelves, stockers & conveyors.

With its minimal footprint and CAN bus connectivity, the reader can be installed quickly and scaled easily without external antennas, sensors, or complex cable harnesses. The integrated 3D time-of-flight placement sensor supports multiple mounting orientations while ensuring reliable detection. Supporting standard 134.2 kHz transponders, the LF-134-CAN-ANT provides a robust & cost-efficient solution for automated material tracking in modern, paperless fabs.

# Technical Data

<b>Designation</b>	<b>LF-134-CAN-ANT</b>
<b>Dimensions (length x width x height)</b>	97 x 38 x 16.5 mm 3.8 x 1.5 x 0.6"
<b>Weight</b>	60 g
<b>Case material</b>	PA
<b>Operating temperature</b>	0 °C to +50 °C (no condensation)
<b>Storage temperature</b>	-25 °C to +50 °C (no condensation)
<b>Voltage power supply</b>	24 V/DC ±5% (via CAN bus)
<b>Power consumption</b>	Reading 3.2 W (132 mA) Idle mode 0.6 W (25 mA)
<b>RFID frequency</b>	134.2 kHz
<b>Supported transponder types</b>	Supports ISO 11784/785 HDX/FSK read/write and read only transponders e.g. TIRIS compatible single- and multi-page transponders, selective addressing multi page transponders (SAMPT)
<b>Reading time one page</b>	110 ms average
<b>Permanent reading</b>	Maximum 2 cycles/s
<b>Available communication protocols</b>	SDO-S, (SECS-II/HSMS via CAN Gateway)
<b>Connectors</b>	Can Input: RJ45 Can Output: RJ45 Display Connector: Molex PicoClasp 4Pins

## Accessories

Talk to our sales team for compatible accessories.



### Europe

HQ: Dresden, Germany  
Phone: +49 351 65237-0  
E-mail: info@fabmatics.com

### USA

Location Utica, NY  
Phone: +1 315 316 1480  
E-mail: info.usa@fabmatics.com

[www.fabmatics.com](http://www.fabmatics.com)

### Partners in Asia

Singapore & Malaysia  
Phone: +65 9106 2386  
E-mail: joseph.soo@micro-optics.com.sg

### Taiwan & China

Phone: +886 912531863  
E-mail: jeff.chen@gbgtek.com.tw

### Japan

Phone: +81 92 473 6455  
E-mail: info@brux.jp