



# LF-134-SER-MINI

Maximum RFID performance in minimal space



## Key Features

- Ultracompact LF RFID reader (5x smaller than previous models)
- RS232 via space saving JST connector
- Button triggered read test
- Supports ISO 11784/785, HDX/FSK, SAMPT transponders
- Fast read time (110 ms/page)

## Benefits

- Minimal installation space required
- Costefficient integration
- Reliable, secure identification
- Ideal for AGVs, OHTs, loadports and compact production tools

The LF-134-SER-MINI is an ultra-compact RFID reader engineered for integration into space-restricted semiconductor manufacturing and material-handling environments.

At just one-fifth the size of conventional serial LF readers, it integrates easily into AGVs, AMRs, OHT systems, and other tools with minimal installation space. Operating at 134.2 kHz, the device supports TIRIS-compatible read/write functionality & a wide range of LF transponders. Its serial interface enables seamless connectivity to diverse production equipment. Built with a robust aluminum housing & leveraging decades of proven RFID expertise, this LF reader delivers reliable identification performance while significantly reducing footprint & installation effort.

# Technical data

<b>Designation</b>	<b>LF-134-SER-MINI</b>
<b>Dimensions (length x width x height)</b>	71 x 60.4 x 20.8 mm
<b>Weight</b>	86 g
<b>Case material</b>	Aluminium
<b>Operating temperature</b>	0 °C to +40 °C (no condensation)
<b>Storage temperature</b>	-20 °C to +50 °C (no condensation)
<b>Voltage power supply</b>	24 V/DC ±5%
<b>Power consumption</b>	Reading 3.2 W (132 mA) Idle mode 0.6 W (25 mA)
<b>Supported antennas</b>	Fabmatics LF antennas (see accessories)
<b>RFID frequency</b>	134.2 kHz
<b>RFID transponder type</b>	TIRIS compatible transponder
<b>Readable transponder types</b>	ISO 11784/785 HDX/FSK Supports 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>	ASCII-L /-H /-A, SECS (SEMI E99)
<b>RS232 interface speed</b>	9600 bit/s , ASCII-H/-A vers. up to 57600 bit/s
<b>Connectors</b>	24 V/DC + RS232: JST XHP-5 Antenna: JST XHP-3

## Accessories

Talk to our sales team for compatible antennas & accessories.



### Europe

HQ: Dresden, Germany  
Phone: +49 351 65237-0  
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