



IDENTIFICATION

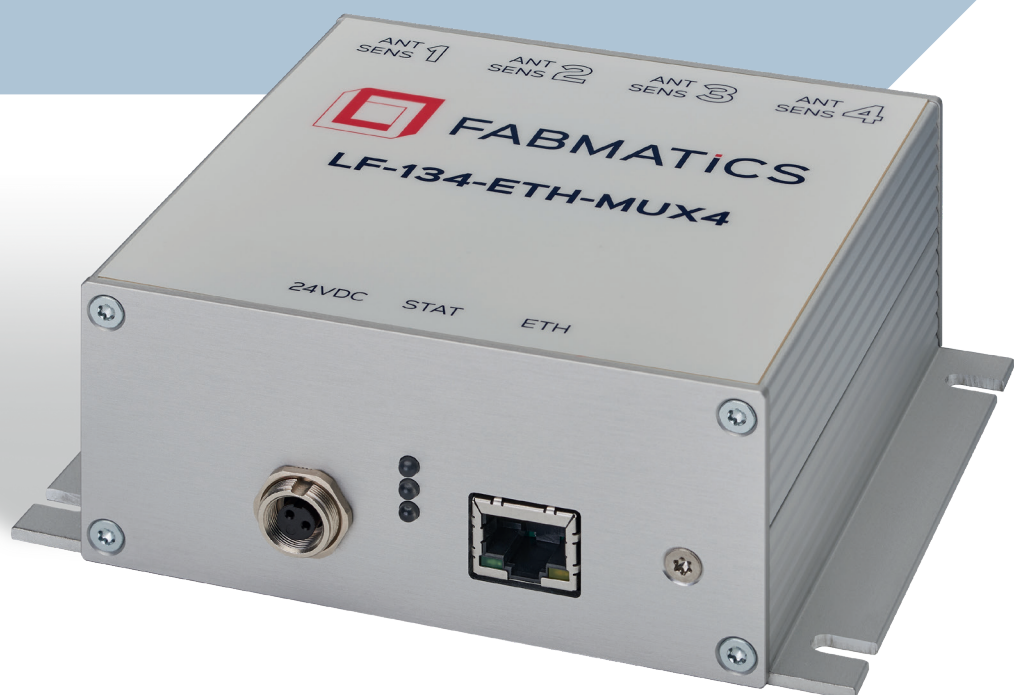


FABMATICS

Automate your success

LF-134-ETH-MUX4

Spend less, connect more with our
RFID multiplex solution



Key Features

- **4 Antenna connections**
- **Supports up to 4 NPN, PNP or Push Pull sensors with standard M8 connectors**
- **SECS-II support**
- **Integrated webserver for setup & test**

Benefits

- **Lower investment**
- **Reduced cabling effort**
- **Minimal mounting effort**
- **Efficient retrofit**
- **Automatic reading without host intervention**
- **Standardized interfaces and components**

This RFID read/write device operates at a nominal frequency of 134.2 kHz and supports up to four antennas and four sensors.

It enables SEMI-compatible communication (SECS-II via HSMS) with tools or MES systems through its RJ45 Ethernet port. Setup and testing are simple thanks to browser-based access to the integrated web server. The internal RFID transceiver complies with the TIRIS standard and supports both reading and writing of conventional LF transponders. Sensor integration allows automatic RFID read triggering without host intervention. This makes it an ideal solution for production equipment with up to four identification positions, such as loadports, and is particularly well-suited for retrofitting existing semiconductor tools or integrating into new multi-loadport systems.

Technical data

Designation	LF-134-ETH-MUX4
Dimensions (length x width x height)	130 x 48.4 x 104 mm
Weight	356 g
Case Material	Aluminium
Operating temperature	0 °C to +40 °C (no condensation)
Storage temperature	0 °C to +60 °C
Voltage power supply	24 V/DC ±5%
Power consumption	Reading 3.2 W (~132mA) Idle mode 0.7 W (~30 mA) (w/o Sensor)
Supported antennas	Fabmatics LF Antennas (see accessories)
Supported sensors	Industry standard NPN/PNP/Push-Pull Sensors with M8 4-pin connector
RFID frequency	134.2 kHz
RFID transponder type	ISO 11784/11785 HDX/FSK Supports Read/Write and Read Only transponders e.g. TIRIS compatible single- and multi-page transponders, Selective Addressing Multi Page Transponders (SAMPT)
Reading time one page	110 ms average
Permanent reading	maximum 2 cycle/s
Available communication protocols	SECS-II/HSMS and Webserver
Connectors	- 24 V/DC 1x Binder 712-2p - Antennas 4x Binder 712 3p - Ethernet 1x RJ45 - Sensors 4x M8 4p



Accessories

Talk to our sales team for compatible antennas and accessories.



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