FABMATICS
Automate your success

ACCESSORIES

Extras for RFID communication.

LF antennas

External antennas for low frequency RFID readers.
Required for reader devices without an internal antenna.
For reliable alignment, the coil center is marked.

RFID-ANT-LF-CYL-20115

- High performance ferrite coil antenna with PTFE housing
- 115 mm length, 20 mm diameter (housing)
- Available cable length: 500, 1000, 2000 mm and on request; with high-flex option
- Available with different connectors

RFID-ANT-LF-CYL-1381

- Ferrite coil antenna with PTFE housing
- 81 mm length, 13 mm diameter (housing)
- Available cable length: 500, 1000, 2000 mm and on request; with high-flex option
- Available with different connectors
- Antenna holder optional

RFID-ANT-LF-CYL-0865

- Ferrite coil micro antenna with polystyrene housing
- 65 mm length, 8 mm diameter (housing)
- Available cable length: 500, 1000, 2000 mm and on request
- Available with different connectors
- Antenna holder optional

RFID-ANT-LF-CIG-15110-V1.0

- High performance ferrite coil antenna with ABS housing
- 110 mm length, 15 mm diameter, 31 mm height (housing)
- Available cable length: 500, 1000, 2000 mm and on request; with high-flex option
- Available with different connectors

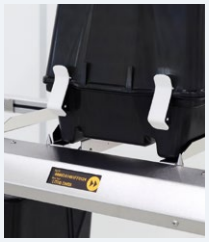
Special antennas and antenna designs are available on request.

HF antenna

RFID-ANT-HF-SQU-9673-SMA

- External high frequency RFID PCB antenna for 13.56 MHz band
- 73 mm x 96 mm x 10 mm (POM housing)
- Available cable length: 800 mm and on request
- Antenna SMA connector
- 50 ohm impedance
- Two mounting screw holes on the bottom side
- Tuneable through a small hole in the antenna housing using a suitable screwdriver
- Cable is covered by a 400 mm meshwork tube beginning at antenna housing in order to install the antenna on moving parts

Displays



256x64 dots OLED display

- Modul size: 105.6 x 31.8 x 9.5 mm
- Viewable area: 78.78 x 21.18 mm
- Background color: yellow
- Integrated into CAN networks via a separate interfacing PCB

8x40 characters LCD display

- Max. dimensions: 180 x 65 mm
- Viewable area: 134 x 40.2 mm
- Background color: green
- Connection to our LF-134-CAN readers via RJ10 connector

Special antenna fixtures

To retrofit loadports of process tools with RFID antennas, Fabmatics developed some clean and cost effective fixture solutions.

Bridge

- For process tools with several adjoining loadports (2 - 4 loadports)
- Can be easily adapted to different tools with a minimum of mechanical processing

Lantern

- For single antenna integration (single loadport)
- Its foot can be attached to any metallic surface. A stainless steel pipe, guiding the antenna cable, can be bent to allow for a great range of different geometries which guarantees an unobtrusive positioning.

Special antenna fixture adaptions, e.g. for vacuum chambers and wafer sorters, are also available.

RFID retrofitting of wafer carriers

The first step to factory automation is a reliable identification system. Fabmatics has developed a solution to retrofit existing carriers with glass tube transponders. These have proven to be robust and reliable for long-term use even under harsh conditions such as high temperatures during carrier cleaning. Talk to our sales team for more information regarding our RFID retrofit solution.

For detailed information please ask for the technical data sheet.

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