metraTec® QuasarMF RFID Reader

The QuasarMF is a RFID Reader for demanding applications where transponders according to ISO14443A or Mifare Protocol have to be read. The new MifarePlus Protocol is already supported in cases of an increased need for data security. An important feature of the QuasarMF is its "single ended" output which allows it to be connected to any usual HF RFID antenna or another multiplexer.

With the integrated optically isolated 24V inputs / outputs you can directly connect the reader to a light barrier, signal lights or an entire PLC. The communication to the host system is done via USB or the Ethernet port. Other interfaces, such as WiFi, RS485 or even Fieldbus technology are available on request.

Integration into IT systems based on Windows is supported by a free demo software whichs allows easy testing of the device. With help of the simple ASCII based low level protocol you can integrate the reader with normal PCs, microcontroller based systems as well as PLCs.
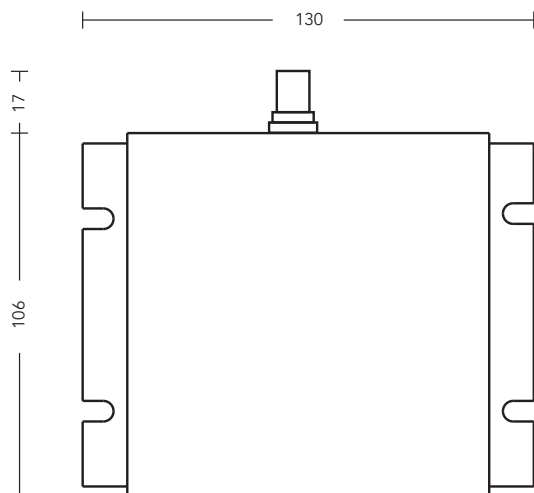
Applications

• Use of Mifare Protocol in industrial applications
• Applications with Mifare and multiplexers
• Use of external antennas possible

Technical Specification

Operating Principle	HF Mifare RFID Reader
Operating Frequency	13.56 MHz (HF RFID)
Protocol	ISO 14443A/ Mifare Classic, Ultralight, Mifare Plus S
Operating Voltage	24V DC
Communication	USB, Ethernet
Inputs/Outputs	optically isolated 24VDC Inputs (2x), 24VDC Outputs (4x), 24VDC Out (1x)
Antenna Connector	BNC, female
Read Range	up to 100 mm (with right antenna)
Operating Temperatur	-40°C - +85°C
Housing, IP	Aluminum, IP40
Dimensions	130 x 106 x 45 mm
Conformity	CE, eg. EN 60950-1, ETSI 300 330

At a Glance

- Mifare Reader in Robust Housing
- Industrial Inputs/Outputs
- Supports MifarePlus

About metraTec

metraTec develops, manufactures and sells RF hardware for the product segments „Identification", „Localization", "Communication" and „Wireless Power". It serves a variety of industries, both with standard products as well as custom solutions. Our customers are system integrators, OEM customers as well as research institutes world wide.

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