QuasarMF HF Reader/Writer for ISO14443

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METRATEC

- Ethernet Interface
- Mifare Classic/Ultralight compatible
- Reads and writes NFC type 2 tags

QuasarMF HF Reader/Writer for ISO14443

The QuasarMF is an industrial RFID Reader for transponders that communicate using the ISO14443A and the MIFARE $^{®}$ protocols MIFARE Classic $^{®}$, MIFARE Ultralight $^{®}$. It is one of a few readers worldwide using MIFARE technology that has a single-ended antenna output which allows using any HF RFID antenna instead of specially designed MIFARE antennas. This makes it even possible to connect the reader to a multiplexer and read tags from several antennas sequentially.

The communication options include USB as well as Ethernet. To facilitate its integration into machines and to allow ease of control via PLCs the device offers optically isolated 24 V IOs.

For easy and fast testing of the product, there is a free Windows Demo Software to test all features of the device. If you need to integrate the reader into your own software, there is also a Java SDK, a .NET Library, and a Python lib for accessing the device on all operating systems.

Technical Specification

Operating Principle	Industrial Mifare RFID Reader/Writer
Operating Frequency	13.56 MHz (worldwide)
Supported Protocols	ISO14443-A (ID only), Mifare Classic, Mifare Ultralight
Output Power	max. 200 mW (23 dBm)
Read Range	up to 10 cm
Antenna Connector	BNC, 50 Ohm
Operating Voltage	24V DC (± 10%)
Power Consumption	up to 270 mA
Connectivity	Ethernet, USB (Type B)
Inputs/Outputs	4 24V outputs, 2 optically isolated inputs
Temperature Range	-20 °C to +70 °C
Dimensions	130 x 106 x 45 mm
Certifications	conforms with CE, e.g. ETSI 300 330

About Metratec

Metratec develops, produces and sells Radio electronics for the areas of "Identification", â??Localizationâ?•, and â??Communicationâ?• and thus serves a variety of markets with standard products as well special solutions. Customers include OEM customers, system integrators and research facilities worldwide.