QuasarMX Short Range RFID Reader/Writer

Art. No.: 22000036

The QuasarMX is an HF RFID reader/writer for demanding industrial applications, where high reading reliability, speed, and extensive special tag features are needed. Highlights include a reading rate of up to 100 tag IDs/sec and reading and writing data on tags without needing to address them individually. This allows applications directly at conveyor belts, in production machinery, and in electric control cabinets.

With its compact dimensions of only 130 x 106 x 55 mm and almost no heat build-up, the reader can be integrated into closed cabinets and other machinery. The device communicates using USB or Ethernet. With the optically isolated Inputs and 24V DC outputs, you can directly connect light barriers, LED lights, and other equipment to the reader.

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 library for accessing the device on all operating systems. Or use our easy-to-use low-level ASCII protocol to control the device in any other programming language.

◎ High Reading-/Writing Speed
◎ ISO15693 compatible
◎ Up to 25 cm read range
◎ Ethernet connectivity

Technical Specification

Operating Principle	Industrial HF RFID Reader/Writer
Operating Frequency	13.56 MHz (worldwide)
Antenna Connector	BNC, 50 Ohm
Output Power	max. 250 mW (24 dBm)
Read Range	up to 25 cm (with MaxiPCB Antenna)
Supported Protocols	ISO15693
Connectivity	Ethernet, USB (Type B)
Inputs/Outputs	4x 24V outputs, 2x optically isolated 24V inputs
Operating Voltage	24V DC (± 10%)
Power Consumption	idle: 50 mA, RF on: max. 270 mA (@24V)
Temperature Range	-20 °C to +70 °C
Dimensions	130 x 106 x 55 mm
Certifications	conforms with CE, e.g. ETSI 300 330

If you are looking for an HF RFID reader/writer with more read range (output power), have a look at our QuasarLR Long-Range RFID Reader/Writer.

About Metratec

Metratec is a manufacturer of RF electronics specialized in wireless "Identification" (RFID) and "Localization" (RTLS). We serve a variety of markets from the manufacturing industry and logistics to vending machines and medical devices. Our customers include OEM customers, IoT system integrators and research facilities worldwide.

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