

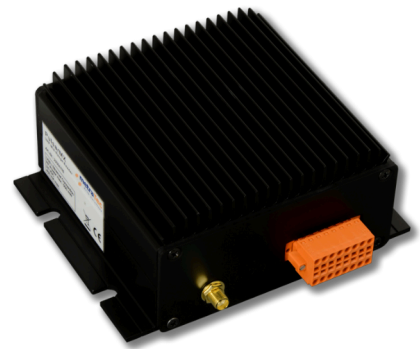
PulsarMX Mid-Range RFID Reader/Writer

Art. No.: 22001116

The PulsarMX is a UHF Mid Range Reader for applications with a medium read range between 1 and 3 m and up to 100 transponders simultaneously in the field. Its main applications are in container tracking, reading data from sensor tags (e.g. temperature sensors), and on a conveyor belt. Due to its low cost, the device opens new possibilities for applications that were not feasible before.

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 lib 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.



- ⦿ Compact UHF reader
- ⦿ 27 dBm / 500 mW power
- ⦿ Up to 3 m read range
- ⦿ Ethernet connectivity

Technical Specification

Operating Principle	Mid-Range UHF RFID Reader/Writer
Operating Frequency	868 MHz (ETSI/EU)
Antenna Connector	1x SMA, 50 Ohm
Output Power	0 – 27 dBm (1 mW - 500 mW)
Read Range	up to 3 m with modern UHF transponder
Supported Protocols	EPC Class 1 Gen 2 v2
Connectivity	Ethernet, USB (Type B)
Inputs/Outputs	4x 24V outputs, 2x optically isolated 24V inputs
Operating Voltage	24V DC ($\pm 10\%$)
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 302 208

If you are looking for a reader/writer with more read range (output power) and four antenna ports, have a look at our PulsarLR Long-Range RFID Reader/Writer.

EU Office

Metratec GmbH
Niels-Bohr-Str. 5
39106 Magdeburg
Germany
+49 (0)391 2519 06-00
info@metratec.com

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.

US Office

Metratec USA
6 Liberty Square #2073
02109 Boston, MA
United States
+1 (857) 799-3795
us@metratec.com