

Product Data Sheet



Eureka RFID - UHF Desktop Reader (USB)

Product Overview

The Eureka UHF passive RFID reader is a multiprotocol fully integrated UHF low power short range compact desktop reader.

The reader provides proximity reading and writing of UHF tags and labels with up to 1 metre of range.

The reader supports ISO 18000-6B, Philips UCODE EPC 1.19 and EPC Class1 Gen2. Other UHF protocols may be available by firmware upgrade.

The reader houses an integrated antenna and a USB interface for PC connection. The device is USB powered and designed to operate as a stand alone PC peripheral communicating via a USB serial port.

Applications

The reader has been designed specifically to be used in desktop applications including:

- Point of Sale
- Simple Tag Reading & Programming
- Document Identification
- Item Inventory Management
- Access Control

Reader

Frequency	869.525 MHz UHF (ETSI EN 300 220)
RF Power	60 mW ERP @ 5V
Antenna	Integrated Linear Polarized (3.0 dBi @870MHz) - ETSI version
Frequency Tolerance	±10 ppm Over Entire Temperature Range
Number of Channel	Single CH. (Compliant to ETSI EN 300 220)
Standard compliance	ISO 18000-6B Philips UCODE EPC 1.19 EPC C1G2

I/O

Digital	Five I/O Lines 3.3V Out, 5V Tolerant
USB Port	USB B Female Connector Bus Powered USB 2.0 Device Must Be Connected to High-Power Port (500 mA @ VBUS)
Indicator LEDs	Red - Power Green - Identify Tag Yellow - USB Communication

Physical

Dimensions	180mm x 130mm x 97 mm
Weight	500 g

Electrical

Power	5 V DC Bus Powered (USB) Max 250 mA
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Environmental

Operating Temp.	-20 °C to 60 °C
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