



Purchase Code: 500.183

Vega UHF Reader

The Vega UHF reader brings the technology and performance of the M5e module with the sturdiness of an industrial encapsulation in only one reader, projected to withstand the most severe environments, it is ideal for vehicular application, where the reader is installed in the vehicle (In Vehicle Reader model).

Resources

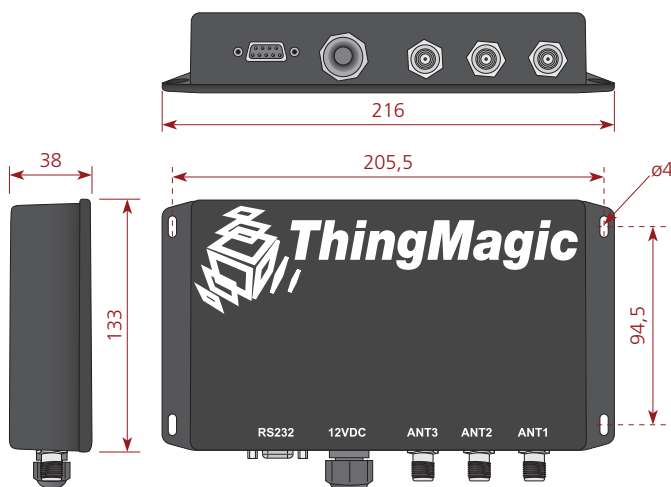
The Vega readers works in UHF (Ultra High Frequency), reads and writes EPC Gen2 tags. It is possible to manage up to 3 independent monostatic antennas, forming up to 3 reading zones with only one reader.

It has serial RS-232 communication and its serial command/answer protocol with CRC-16 error verification is extremely safe and stable for industrial and vehicular applications.

With its compact dimensions, it can be installed in small places or of difficult reach.

Has electronic protection circuit against tension, current and tension variation, which normally happen during installation on vehicles.

Dimensions [mm]



Technical Specifications

RF Interface	
Protocol	EPCglobal Gen2 (ISSO 18000-6C) with anticollision, DRM and advanced RF intervention rejection
Frequency	902-907 MHz and 915-928 MHz (Anatel, Brazil)
Connector	3 reverse TNC for 50 Ohms monostatic antennas
RF Power	Separate power levels for read and write, adjustable from 5 dBm to 30 dBm (1w), ± 1,0 dBm precision
Data/Control	
Communication	Serial RS-232 (female DB9 connector)
Control	Digital input to enable or disable the reader (Molex® connector)
GPIO	2 digital inputs and 1 digital output (Molex® connector)
Protocol	Mercury API available in C, .NET and Java
Performance	
Reading rate	Up to 200 tags / second
Reading distance*	Up to 9 m with 6 dBi antenna (36 dBm EIRP)
Electrical specifications	
Power supply	0-16V DC, typically 12V DC with 8W max Source (optional) AC: 100-240V CA, 50-60 Hz, 10W
Mechanical and environmental specifications	
Dimensions	216 x 133 x 38 mm
Operating temperature	-40°C to +75°C
Storage temperature	-40°C to +85°C
Installation standards	Designed to support installation on vehicles: <ul style="list-style-type: none"> • Mechanical shock • Humidity and temperature cycles • Water jets and spills • Protection against tension • Protection against electrostatic discharge • A & B thermal shock • Protection against variation • Quick plug supply connector

* A distância de leitura pode variar de acordo com o tag, antena, cabo e ambiente de utilização do leitor.