



The BlackIP vehicle-mounted RFID reader is a highly sensitive **stand-alone device** which simplifies automatic tracking operations **in outdoor and dirty environments** due to **its IP67 protection rating**. Furthermore, it is also resistant to impacts and vibrations.

Practical and essential, it measures 200 mm x 80 mm x 60 mm, and the

**high sensitivity** of its antenna allows it to read and write passive UHF tags up to a distance of 8 metres. Equipped with a **universal socket**, which simplifies installation on different vehicles, BlackIP is available with **RS232** or **RS485** connectivity. In addition, the user interface features a **buzzer**.

## MARKETS

Easy to install, the BlackIP vehicle-mount RFID reader is well suited for **applications on vehicles or work equipment**: in waste management during door-to-door collection; in logistics on trolleys for pallet position tracking and traceability; on delivery vehicles; or on bulldozers to monitor workplace safety.



Frequency: Europe 865.7–867.5/USA 902.75–927.25

## Technical Features

<b>Standard Protocol</b>	ISO 18000 – 6 A/B/C, EPC Class 1 Gen 2
<b>Connectivity protocol</b>	RS232/ RS485
<b>RF Power</b>	2W (33dBm) EIRP [Software configurable attenuation]
<b>Antenna Type</b>	Integrated circular polarized with 8dBi Gain 60 ° Beam Width
<b>Antenna sensitivity</b>	-90dBm
<b>Reading Distance</b>	Up to 8 m

## Physical Characteristics

<b>IP Grade</b>	67
<b>Dimensions</b>	230 x 230 x 50 mm
<b>Case</b>	Pvc
<b>User Interface</b>	Buzzer, internal led and vibration resistance
<b>Power Supply</b>	12 ÷ 38V
<b>Operating Temperature</b>	-20° C ~ +55° C
<b>Automotive connector</b>	Connector IP67, M12

**CE certification in accordance with ETSI EN 302 208.**