

BlackIP

Vehicular RFID reader



APPLICATION

Easy to install, the BlackIP vehicle-mounted RFID reader is well suited for **applications on vehicles or work equipment**:

- in logistics, on trolleys for pallet position tracking and traceability and on delivery vehicles;
- on bulldozers to monitor workplace safety;
- in waste management during door-to-door collection.

PRODUCT OVERVIEW

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 230 mm x 230 mm x 50 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.

BalckIP

Stand-alone RFID reader for vehicles
operating in extreme environments



SPECIFICATIONS

Operating Frequency UE	865.7-867.5	IP grade	67
Operating Frequency US	902.75-927.25	Dimensions	230 x 230 x 50 mm
Standard protocol	ISO 18000 - 6 A/B/C, EPC Class 1 Gen 2	Case	Pvc
Connectivity protocol	RS232/ RS485	User interface	Buzzer and internal led
RF Power	2W (33dBm) EIRP [Software configurable attenuation]	Power supply	12 ÷ 24V
Antenna type	Integrated circular polarisation with 8dBi Gain 60° Beam Width	Operating temperature	-20° C ~ +55° C
Antenna sensitivity	-90dBm	Automotive connector	Connector IP67, M12
Reading Distance	Up to 8 m		

CE certified in accordance with ETSI EN 302 208.