identiFUEL™ Wireless Controller

Wireless controller for Fuel Management Systems (FMS)

- Relays information read by Vehicle or Nozzle RFID Units to Fuel Management
- Triggers fuel dispersion based on FMS decision rules
- Multiple interface connection options available

The HID Global identiFUEL™ Wireless Controller (IWC) is a device that receives data from identiFUEL™ Vehicle or Nozzle Units and forwards this information to a central Fuel Management System (FMS).

The FMS software decides if and how much fuel to be dispensed based on received information and the configured business rules. The result is submitted back to the fuel pump or the Wireless Controller for execution.

Using a variety of interface standards including Ethernet, RS485, RS232, Wiegand or USB, the IWC can integrate with third-party systems intended for product transfer, fueling automation or access control.

The Wireless Controller utilizes an encrypted communication channel to the identiFUEL™ Vehicle and Nozzle Units and covers a distance of up to 328 ft (100 m). Firmware upgrades are easily, possible post installation, to keep the controller up to date.

Two separate relays allow triggering external devices.

The identiFUEL™ Wireless Controller may either be embedded into other system components at the fueling site or be mounted externally by utilizing the optional waterproof housing.

KEY TECHNOLOGY HIGHLIGHTS:

- Simple installation
- Outdoor environment resistant housing
- Multitude of connectivity options
- Triggers fuel dispersion based on FMS decision
- Encrypted communication to Vehicle and Nozzle Units
- In-field firmware upgradeable

TYPICAL APPLICATION AREAS:

Fueling stations for:
- Construction vehicles
- Trucks
- Bus coaches
- Any other commercial fleet vehicles

HID

	Wireless Controller	Housing
Model Number	IWC 900	
Part Number	IWC900-0-1-GB-XX	IWE901-0-0-GB-XX
ELECTRONIC		
Operating Frequency to Vehicle Unit and Nozzle Reader	433.92 MHz	N/A
Network Connector	RJ-45 10/100 Mbps	N/A
USB Connector	USB 2.0 mini-b	N/A
Serial Connector	RS-485 / RS-232	N/A
Magnetic Stripe Connector	Wiegand	N/A
Power Supply Voltage	10 V DC to 30 V DC, polarity sensitive	N/A
Power Supply Current	300 mA	N/A
PHYSICAL		
Dimensions	5.7 × 6.69 × 2.48 in (145 × 170 × 63 mm)	7.67 × 7.48 × 3.34 in (195 × 190 × 82 mm)
Mounting Method	Screw	Screw
Housing Material	N/A	ABS Plastic
Housing Color	N/A	Grey
Weight	6.2 oz (177 g)	16.4 oz (466 g) housing only
CHEMICAL AND MECHANICAL RESISTANCE		
Water	N/A	IP67, 68° F (20° C), 1 m × 1 h
Humidity	0 to 95% relative humidity at +104° F (+40° C) non-condensing	0 to 95% relative humidity at +104° F (+40° C) non-condensing
THERMAL		
Storage	-40° to +176° F (-40° to +80° C)	-40° to +176° F (-40° to +80° C)
Operating	-13° to +140° F (-25° to +60° C)	-13° to +140° F (-25° to +60° C)
OTHER		
Standards	CE; FCC; RCM	N/A
Options	External LF reader for ID badge identification	N/A
Quantity Per Box	1 pc.	1 pc.
Warranty	1 year	1 year

CE

For further information, contact **tagsales@hidglobal.com**

HID

hidglobal.com