UHF Vehicle Access Control Reader
ID MAX.U1002

FEATURES

→ Stand alone reader with read ranges of up to 8 meters using passive, maintenance-free UHF transponders

→ Management of up to 1.000 vehicles, using the software "OBID myAXXESS® Manager"

→ Quick and easy update of authorization data via Ethernet interface

→ Event logging & Real time clock

→ Robust aluminium housing

→ Ideal for Perimeter Protection and Parking Management

OBID® – RFID by FEIG ELECTRONIC

SYSTEM DESCRIPTION

ID MAX.U1002 is an autonomous RFID reader for establishing vehicle access control systems.

Place of use is everywhere where vehicles should be granted permanent access to employee parking lots, driveways to companies, authorities or other closed facilities (Perimeter Protection).

For identification of a vehicle in connection with the ID MAX.U1002 passive, maintenance-free UHF transponders are used, which can be stuck behind the windscreen of the vehicle.

With ID MAX.U1002 up to 1.000 access permissions can be managed. Each user can be assigned to additional temporal access parameters. For this, there are 15 user-definable time zones available. Holidays and vacation days can be included, easily.

To monitor multiple lanes or the simultaneous checking of entry and exit, there are two antenna ports and two digital outputs available.

Software OBID myAXXESS® Manager

Using the free software OBID myAXXESS® Manager*, user data and access parameters can be easily administrated on a PC and transferred to ID MAX.U1002 by using a temporary network connection. After the transfer of user data, the reader can run offline as a stand-alone device.

In smaller installations without any time limit of the access permissions, authorized transponders can be programmed without using the software by the so-called „Teach-in" Mode.

Loop detectors and motion detectors as useful accessories

Loop detectors and motion detectors as pulse for starting the identification process do not only ensure an energy efficient operation of ID MAX.U1002. They also guarantee that always the right barrier or door is opened when there exist several lanes.

For this ID MAX.U1002 offers a digital input.

Suitable loop detectors and motion detectors are available from FEIG ELECTRONIC.

Perimeter Protection:
Fast and safe access to industrial plants etc.

Parking Management:
Comfortable access without waiting

*With the free software OBID myAXXESS Manager currently only five from fifteen user-definable time zones can be administrated.

TECHNICAL DATA

ID MAX.U1002:

System memory	1.000 access permissions, 15 time zones, temporary buffer
Clock	Real time clock, buffered
Housing	Aluminium, powder coated
Dimensions (W x H x D)	260 mm x 157 mm x 65 mm (10.24 inch x 6.18 inch x 2.56 inch)
Weight	approx. 1.800 g
Protection class	IP 53 (IP 64 with protection cap*)
Color	RAL9003 Signal white
Operating frequency	
- Version EU	865 MHz up to 868 MHz
- Version FCC	902 MHz up to 928 MHz
Supply voltage	24 V DC +/- 10%
Current consumption	max. 18 VA
Output power	
- Version EU	max. 2 W ERP
- Version FCC	max. 4 W EIRP
Read range	up to 8 m
Antenna	Connection of max. 2 antennas (SMA female 50 Ohm)
RF-Diagnosis	RF-channel monitoring Antennen SWR control Internal overheating control
Outputs	2 Optocoupler (max. 24 V DC / 30 mA)
Inputs	1 Optocoupler (max. 24 V DC / 20mA)
Programming interface	Ethernet
Supported transponders	EPC Class 1 Gen 2
Output signals	16 LEDs for diagnosis of reader operation and antenna status
Temperature range	
Operation	-25°C up to 55°C
Storage	-25°C up to 85°C
Relative humidity	5%-95% (non-condensing)
Vibration	EN 60068-2-27 10 Hz up to 150 Hz: 0,075 mm /1g
Shock	EN 302 208 Acceleration: 30g

*Optionally a connector sealing cap is available which covers the connectors, offers a pull relief for the connected cables and guarantees protection class IP64.

ORDER DESCRIPTION

ID MAX.U1002-EU (Article number: 4292.000.00)

ID MAX.U1002-FCC (Article number: 4293.000.00)

Available accessories:

- Antenna ID ISC.ANT.U600/270-EU / -FCC
- Antenna ID ISC.ANT.U270/270-EU / -FCC
- Antenna ID ISC.ANT.U170/170-EU / -FCC
- corresponding antenna mounting sets
- Antenna cable ID ISC.ANT.C2-A
- Antenna cable ID ISC.ANT.C6-A

- Windshield transponders ID CTF-U

- Mounting set for DIN rail systems ID ISC.LRU3x00/1002-MS
- Connector sealing cap ID ISC.LR.CSC-IP64

Software OBID myAXXESS® Manager:

Supported operating systems:
- Windows Vista (32-/64-bit)
- Windows 7 (32-/64-bit)
- Windows 8 (32-/64-bit)

System requirements:
- .NET-Framework 4.0
- HDD/SSD with minimum 10 MB free memory
- Ethernet interface

STANDARD CONFORMITY

Radio approval
-	Europe	EN 302 208
-	USA	FCC 47 CFR Part 15
-	Canada	IC RSS-GEN, RSS-210

EMC	EN 301 489

Safety
-	Low Voltage	EN 60950
-	Human Exposure	EN 50364

**available for free when buying an ID MAX.U1002

FEIG ELECTRONIC reserves the right to change specification without notice at any time. State of information: September 2014.