



quick reference guide

2015-08-24 | v4.3 | 5279470



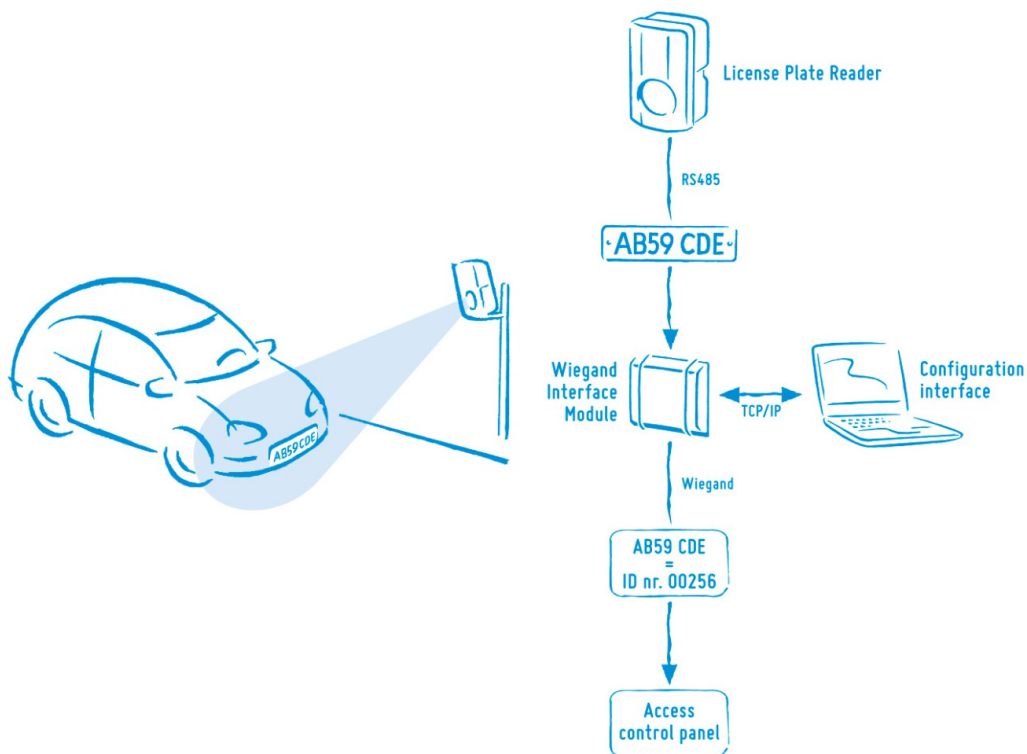
SAFETY PRECAUTIONS

The following safety precautions must be observed during normal use, service and repair.

- Disconnect the power supply before opening the device.
- The WIM shall only be installed and serviced by qualified and trained personnel.
- The WIM can be powered from a low power, Class 2 power supply, in compliance with local regulations.
- To be sure of safety, do not modify or add anything other than mentioned in this manual or indicated by NEDAP N.V.

KEY FEATURES

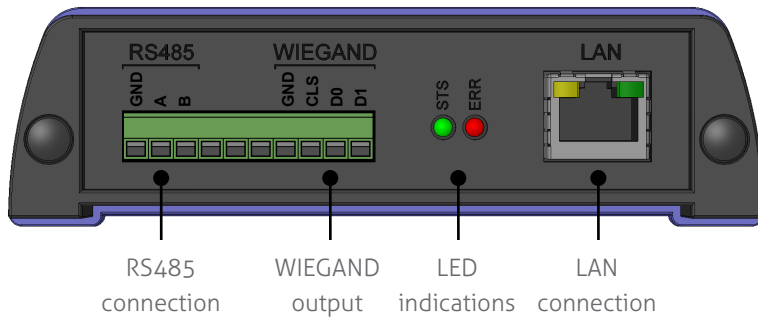
The Wiegand Interface Module (WIM) is developed to be used in combination with the License Plate Reader. The WIM will convert the license plate string into a Wiegand output message. The Wiegand interface is supported by many access control systems.



- Converts a license plate into a Wiegand output message.
- Contains a match-list in which license plates and corresponding Wiegand output numbers are found.
- Supports a sophisticated algorithm to convert license plates into "unique" Wiegand output numbers.
- RS485 interface to connect the NEDAP ANPR.
- LAN – TCP/IP interface to configure the device and manage the match-list

CONNECTIONS

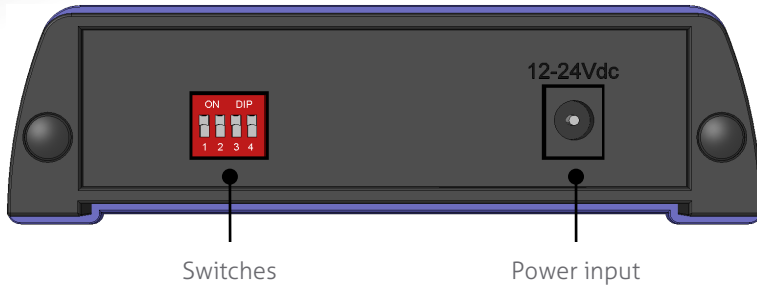
Front side



RS485	Connect the RS485 to the License Plate Reader (9600, 8N1). B: RS485-B (green) A: RS485-A (yellow) GND: RS485-GND (purple)
Wiegand	Connect the Wiegand output to your access control system. D1: Wiegand data-1 (white) D0: Wiegand data-0 (green) GND: Ground (black)
Magstripe	Magstripe Clock and Data output. Select with the plate conversion mode switches. See below. D1: Data D0: Clock CLS: Card Loaded GND: Ground
Barcode	Barcode wand emulation data output in code39 format. Select with conversion mode switches. See below. D1: Wand emulation data output (black=high) D0: Wand emulation data output (black=low) GND: Ground (black)
STS LED	Status LED (green)
ERR LED	Error LED (red)
LAN	The LAN connection (RJ45 socket) is used to configure the device and manage the match-list. Link LED (left): Off=No link, Amber=10Mbps, Green=100Mbps. Activity LED (right): Off=No activity, Amber=HDX Activity, Green=FDX Activity.

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Rear side



Power input	Use the supplied 24VDC power adapter. Power supplies must be able to supply 12 – 24 VDC / 5 Watt (positive voltage at center pin).
Switches	Plate conversion mode switches.

Plate conversion mode switches	1	2	3	4
Wiegand 26-bit SHA-1	ON	ON	ON	ON
Wiegand 64-bit	OFF	ON	ON	ON
Magstripe ISO7811 track 1	ON	OFF	OFF	ON
Magstripe ISO7811 track 2	OFF	OFF	OFF	ON
Barcode wand emulation code39	ON	OFF	OFF	OFF
Wiegand match-list mode (EEPROM 1008 plates)	OFF	OFF	OFF	OFF
Wiegand match-list XL mode (FLASH 20480 plates)	OFF	OFF	ON	OFF

DIMENSIONS

