DIVA2

The New Generation

LeX2 Multi-Standard Reader

The reader consists of a DIVA2 controller with fitted Legic writing/reading electronic (Option218) and an attached antenna. The reader is processing all known technologies:

- **Legic** prime + advant (ISO14443, ISO15693)
- **Mifare** Desfire, Classic and Plus
- **Virtual transponders on smartphones** (Android, iOS)

The modular DIVA2 based reading system is able to be expanded in hardware and software. It is ready for all future challenge and assure you, thanks to the supporting of many standards in interfaces and data structures, a big openness and independence.

Various antennas accommodate all common data carriers for hands-free operation and can be easily installed in any vending machine.
Thanks to the integrated GSM modem, data can be sent conveniently via the Internet.

Advantages

- Parallel processing of all known physical data carriers (13.56 MHz) as well as virtual transponders **in one reader** and thus compatible with most access and time recording systems for modern multi-application applications
- Compatible with open data media standards such as Legic CASH (www.legic.com) and Open Cash File (Common Standard Association CSSA: www.common-smartcard.org))
- Supporting of various proprietary data mappings of many manufacturers.
- LEGIC Mobile SDK as white label solution integrable in every customer app for payment with smartphone
- Data transmission via NFC and Bluetooth (BLE)
- Modular expandable with *extension* and *option* modules
- Connection to Spider Cloud Services (www.spicls.com): modern internet cloud infrastructure for maintenance and data transfer via LAN and GSM
- DIVA functionality: price lists, Spider Online/Offline, charging via coin/bill, transfer and much more
- Future-proof and investment protection: Legic advant and Desfire technology for maximum security. Firmware update of the integrated Legic safety module. Support of mobile standards HCE and BLE. Integrated Secure Element. Permanent development of the DIVA firmware.
- In-field segmentation of transponders
- Versatile accounting possibilities for statistics (EVADTS) or single transactions
- Various reading heads, available in diverse model forms

Features (basic features in accordance with DIVA2 manual)

- Service/free operating, subsidies, incentive, price list, age verification and much more.
- Debit- and/or credit operating in online or offline mode
- User interface with buzzer and LEDs (red-yellow-green-blue traffic light control)
- EVADTS statistics via cable, NFC, BLE, IrDA, LAN or GSM. IrDA readout directly via integrated IrDA interface, NFC+BLE via antenna
- Individual transactions in XML format, SD Card (unlimited number)
- Machine interfaces: MDB Slave Cashless, MDB Comms Gateway, Executive, BDV, CCI, and more
- Third party payment system interfaces: MDB Master, Executive, coin acceptor parallel (via Option206) and others
- SD Card Slot: for almost unlimited storage possibilities

PRODUCT DATASHEET

DIVA2 LeX

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Technical data

- Write / read distance 10-50 mm
- Measurements reader: 140 x 75 x 65 mm
- Switch for security functions (initialize)
- RFID module: Legic SM6300i
- Processor: 32 Bit/150 MHz, 8 MB RAM, 8 MB Flash
- Bluetooth Low Energy v5.0 for data transmission and virtual tags
- RTC with exchangeable lithium cell
- From DIVA2 SW version makalu or 8.71
- Temperature field: 0..70°C
- Input voltage: 12-45VDC/ 50 mA
- GSM Modem 4G / 2G
- EAL5+ certified Secure Element
- 13 serial interfaces, Ethernet LAN (details see DIVA2 data sheet)
- User Interface: various LEDs for communication, LAN, SDcard. Antenna: traffic light rt, gb, gn, bl
- I/O connector: 2xpotential-free outputs, 3xOpto coupler inputs

Scope of delivery

LeX2 Reader	D2.05.000.82/81
Antenna Dragon RFID/ BLE with bracket	HW.52.000.32
Connection cable to automat depending on the article (MDB, BDV or Executive)	
SET Velcro tape self-adhesive	D2.01.004.15

Models with GSM:
GSM antenna SMA glued	D2.43.001.25

Accessories

D2.67.000.03	BG Option218 Set 6300i 4G
D2.67.000.04	BG Option218 Set 6300i
D2.01.004.12	Set DIN mounting rail
HW.52.000.33	Antenna Dragon RFID/ BLE without bracket
HW.52.000.32	Antenna Dragon RFID/ BLE with bracket
HW.14.000.01	DIVA external display serial
HW.01.003.21	DIVA cable serial display at s2
D2.42.000.01	BG Option206 RS232 Set
D2.63.000.01	BG Option215 Set
HW.49.050.01	Licence Spider online
HW.49.050.31	Licence Spider offline

Variants

With GSM 4G:
D2.05.000.57	LeX2 6300i 4G Set MDB
D2.05.000.58	LeX2 6300i 4G Set EXE
D2.05.000.59	LeX2 6300i 4G Set CCI

Without GSM 4G:
D2.05.000.16	LeX2 6300i Set MDB
D2.05.000.17	LeX2 6300i Set EXE
D2.05.000.18	LeX2 6300i Set CCI

Frequency band:
- 4G 800/850/900/1800
- 2G 900/1800

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