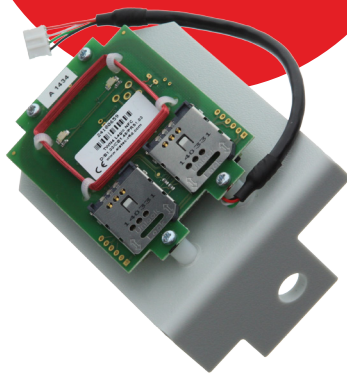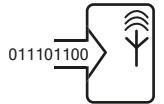# EVOLIS

EVOLIS ELATEC TWN4 MULTITECH LEGIC® 42

011101100

PRINTER OPTION

Dual Smart Contactless card encoding

The **Evolis Elatec TWN4 Multitech Legic® 42** is a versatile OEM contactless reader/writer.

It has been designed in partnership with Elatec RFID Systems, an expert in RFID reader systems.

The Evolis Elatec TWN4 Multitech Legic® 42 allows to read and write to almost any 125kHz/134.2kHz and 13.56MHz tags and/or labels.

Moreover, this encoder meets Legic standards and support a wide range of contactless standards (ISO 14443 A&B, ISO 15693, and ISO 18092 /NFC).

With its compact design and USB interface (virtual serial port), Evolis Elatec TWN4 integrates itself easily into the Evolis card printers.

The whole product is seen as 3 PC/SC readers: 1 contactless, and 2 SIM/SAM. This combination allows its users to add an additional higher level of security where required for certain applications dealing with extremely sensitive information.

ABOUT ELATEC GMBH

Established in 1988, Elatec GmbH is an international and technological company that brings solid core competence in the sector of intelligent electronic devices and cards and security technology.

One of its subsidiary, Elatec RFID Systems is specialized in the development and production of RFID reader systems (low frequency, high frequency, NFC, etc.), and the required functioning transponders.

Target markets
- **ePayment**
- **ePurse**
- **Gaming**
- **Access Control**
- **Transport**

Supported printers
- On-site upgrade
  - Zenius Expert
  - Primacy
  - Primacy Lamination

- Upon project request
  - Elypso
  - KC200/KC200B

Software & SDK
PC/SC Software and dev. kit free of charge

ELATEC
RFID Systems

EVOLIS ELATEC TWN4 MULTITECH LEGIC® 42

	CONTACTLESS SMARTCARD INTERFACE
STANDARDS	• ISO/IEC 14443 A and B: compatible to part 4, T=CL protocol on board, • ISO/ IEC 15693 • ISO/IEC 18092 /NFC: ECMA-340
RFID CARRIER	• Low frequency: 125kHz, 134.2kHz • High frequency: 13.56MHz

SUPPORTED CARDS (MAIN LIST)	• 125kHz, 134.2kHz:
	  - 4100, 4102, 4200[10], 4050, 4150, 4450, 4550, AWID, CASI-RUSCO, HITAG 1[11], HITAG 2[11], HITAG S[11], Keri, Miro,- Pyramid, TIRIS/HDX, UNIQUE, FDX-B, Q5, TITAN, T55x7, ZODIAC[2]
	  - On request: 4305, Cardax, IDTECK,
	• 13.56MHz:
	  - LEGIC Advant
	  - LEGIC Prime
	• ISO 14443 A and B, compatible part 4:
	  - MIFARE DESFire EV1,MIFARE Plus S&X,MIFARE Pro X[12], MIFARE SmartMX[12], SLE44R35[7], SLE66Rxx my-d move, PayPass[12], MIFARE Classic, MIFARE Classic EV1[9], MIFARE Ultralight, MIFARE Ultralight EV19, MIFARE Ultralight C,NTAG2xx[9],Calypso[7], CEPAS[7], Moneo[7], Pico-Pass[12], SRI512[7], SRT512[7],
	• ISO 15693:
	  - NXP (Philips) ICODE-SLI
	  - Texas Instruments TagIT
	  - EM4x35[12], my-d vicinity[12], M24LR16/64
	  - HID iCLASS SE/SR[5]
	• ISO/IEC 18092 /NFC: NFCIP-1:
	  - NFC Forum Tag Type 2-4
	  - Sony FeliCa[13]
	• On request (for project only): Standard + Cotag, G-Prox[8], HID Prox, Honeywell NexWatch, Indala, ioProx
	• And virtually any ISO/IEC 14443 A and B compliant smartcard or ISO/IEC 15693 compliant RFID labels and tags

CARD BAUD RATE	• Up to 424 kbps
	SIM / SAM INTERFACES
CARD FORMAT	• ID-000 (µSIM)
NUMBER OF SLOTS	• 2 slots
SMARTCARD CLASS	• A and AB (5V, 3V cards)
	PC/ SC MODE
WINDOWS DRIVER	• XP/ Vista/7/8/10
LINUX	• Supported by PCSC-lite CCID[1] driver
API & SDK	• Full PC/SC[1] – Free SDK available

1 In Preparation / **2** On Request Only / **3** External Interface Required / **4** Target Specification / **5** UID Only / **6** Encryption Not Supported / **7** UID/PUPI Only, Read/Write On Request / **8** Hash Value Only / **9** r/w enhanced security features on request / **10** Only emulation of 4100,4102 / **11** Without crypto / **12** r/w in direct chip command mode / **13** UID + r/w public area.
Data source: Elatec product information sheet – DocRev9- 08/2015