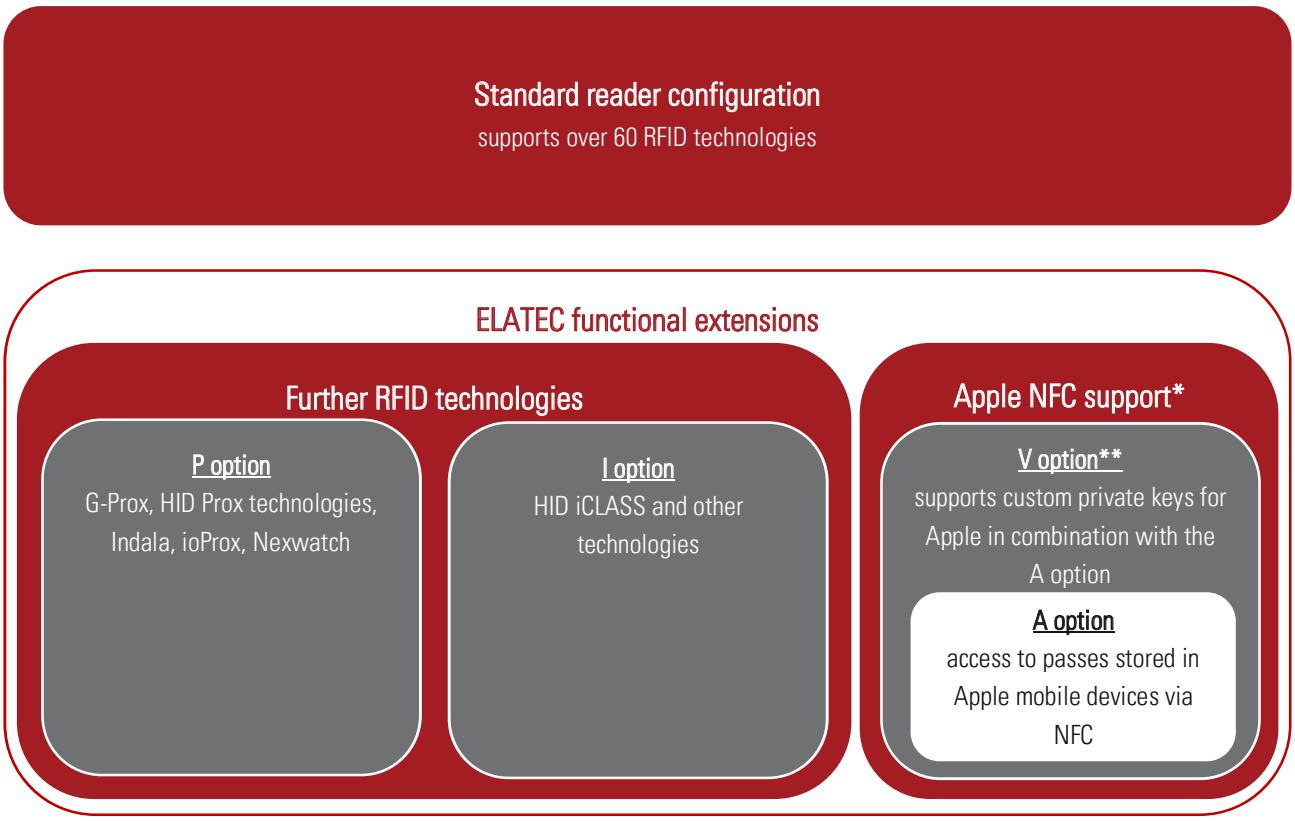
Transponder Matrix

Overview of technologies supported by ELATEC RFID readers and modules



*For Apple licensees only and eligible implementers. Please contact ELATEC for details.
**The V option is only available in combination with the A option.

Unless otherwise agreed with ELATEC, each ELATEC RFID reader/module is delivered with a standard firmware version that might be older than the latest firmware developed by ELATEC. The standard firmware version of an ELATEC reader/module can be changed using the ELATEC AppBlaster tool. Alternatively, you can also download or request a specific firmware version on the ELATEC website.

This transponder matrix gives an overview of all RFID technologies supported by ELATEC RFID readers and modules running with ELATEC **FW 4.64 or a higher version**.



Overview of access control readers distributed by ELATEC

Devices with LEGIC frontend

Secustos family	LF	HF / NFC	BLE	SAM slot(s)	Frontend
Secustos MU20 LEGIC	●	●	●	0	SM-6300
Secustos SQ80 K LEGIC	●	●	●	0	SM-6300
Secustos SQ80 LEGIC	●	●	●	0	SM-6300

Access control readers of the Secustos family

			Secustos MU20 LEGIC / Secustos SQ80 K LEGIC / Secustos SQ80 LEGIC	
			standard	P option
13.56 MHz (HF)	ISO 14443A	LEGIC Advant	●	●
		NTAG2xx	●	●
		NXP MIFARE Classic	●[1]	●[1]
		NXP MIFARE Classic EV1	r/w enhanced security features on request	r/w enhanced security features on request
		NXP MIFARE DESFire EV1	●	●
		NXP MIFARE DESFire EV2/EV3	supported as part of the EV1 downward compatibility	supported as part of the EV1 downward compatibility
		NXP MIFARE DESFire Light	supported as part of the EV1 downward compatibility	supported as part of the EV1 downward compatibility
		NXP MIFARE Mini	●	●
		NXP MIFARE Plus S	●	●
		NXP MIFARE Plus X	●	●
		NXP MIFARE Smart MX	r/w in transparent data exchange mode	r/w in transparent data exchange mode
		NXP MIFARE Ultralight	●	●
		NXP MIFARE Ultralight C	●	●
		NXP MIFARE Ultralight EV1	r/w enhanced security features on request	r/w enhanced security features on request
		SLE44R35	r/w in transparent data exchange mode	r/w in transparent data exchange mode
		SLE66Rxx (my d-move)	r/w in transparent data exchange mode	r/w in transparent data exchange mode
	ISO 14443B	Calypso	r/w in transparent data exchange mode	r/w in transparent data exchange mode
		CEPAS	r/w in transparent data exchange mode	r/w in transparent data exchange mode
		Pico Pass	UID only	UID only
	ISO 15693	EM4x33	r/w in transparent data exchange mode	r/w in transparent data exchange mode
		EM4x35	r/w in transparent data exchange mode	r/w in transparent data exchange mode
		ICODE SLI	●	●
		LEGIC Advant	●	●
		M24LR16/64	●	●
		Pico Pass	UID only	UID only
		SRF55Vxx (my d-vicinity)	r/w in transparent data exchange mode	r/w in transparent data exchange mode
		Tag-it	●	●
	ISO 18092 / ECMA-340	NFC Forum Tag type 1		
		NFC Forum Tag type 2	●	●
		NFC Forum Tag type 3	●	●
		NFC Forum Tag type 4	●	●
		NFC Forum Tag type 5	●	●
		Sony FeliCa	UID + read/write public area	UID + read/write public area
		LEGIC Prime	●	●

1) Only MIFARE Classic 1k and EM4102 have been tested as part of the UL 294 certification granted to Secustos SQ80 K LEGIC and Secustos SQ80 LEGIC.

Access control readers of the Secustos family

		Secustos MU20 LEGIC / Secustos SQ80 K LEGIC / Secustos SQ80 LEGIC	
		standard	P option
125 kHz* (LF)	AWID	●	●
	Cardax	Hash value only	Hash value only
	CASI-RUSCO	●	●
	Deister	Hash value only	Hash value only
	EM4050	●	●
	EM4100	●	●
	EM4102	●[1)]	●[1)]
	EM4150	●	●
	EM4200	Only emulation of 4100/4102	Only emulation of 4100/4102
	EM4305	●	●
	EM4450	●	●
	EM4550	●	●
	G-Prox		Hash value only
	HID 1326 Prox II		●
	HID 1336 DuoProx II		●
	HID 1346 ProxKey III		●
	HID 1386 ISO Prox II		●
	HID 1391 Micro Prox		●
	HID Prox		●
	HITAG 1/2/S	Without encryption	Without encryption
	ICT	●	●
	IDTECK	●	●
	Indala		●
	ioProx		●
	ISONAS	●	●
	Keri	●	●
	Miro	●	●
	Nedap	Hash value only	Hash value only
	Nexwatch		●
	Pyramid	●	●
	Q5	●	●
	T5557	●	●
	T5567	●	●
	T5577	●	●
	TITAN (EM4050)	●	●
	UltraProx	●	●
	UNIQUE	●	●
	ZODIAC	●	●

1) Only MIFARE Classic 1k and EM4102 have been tested as part of the UL 294 certification granted to Secustos SQ80 K LEGIC and Secustos SQ80 LEGIC.

*125 kHz technologies require a local test and import license from the Russian Ministry of Trade and Industry (MINPROMTORC). This license has to be in place before ELATEC can accept any order to be shipped to Russia.

Supported Apple technologies*

TWN4 MultiTech 2	Apple Access DESFire
TWN4 MultiTech 3 M	Apple VAS only
Secustos SQ80 (K) LEGIC	Apple Access DESFire

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Please note:

Apple technologies can be tested on request on other RFID readers/modules of the ELATEC group. For best convenience reasons and best performance, no other RFID technology (LF, HF) should be enabled in parallel to Apple technologies. For system integrators and PCB module design-in, Apple may require additional testing and proof that the final product meets all requirements for Apple technologies.