

((•))		Elatec RFID Systems	TWN4 MultiTech (125 kHz + 134.2 kHz + 13.56 MHz + NFC + Bluetooth Low Energy)					
with Antenna →		HF Mini Reader	2 BLE	2 BLE P	2 BLE PI	LEGIC	LEGIC P	
without Antenna →			Standard	Standard P	Standard PI	Core LEGIC	Core LEGIC P	
			Core	Core P	Core PI	Core LEGIC	Core LEGIC P	
			Nano	Nano P	Nano PI	Nano LEGIC	Nano LEGIC P	
13.56 MHz	ISO14443A	HID iCLASS Seos/Seos Elite	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁰⁾	✓ ¹⁾	✓ ¹⁾
		LEGIC Advant	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓	✓
		MIFARE Classic	✓	✓	✓	✓	✓	✓
		MIFARE Classic EV1	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾
		MIFARE Mini	✓	✓	✓	✓	✓	✓
		MIFARE DESFire EV1	✓	✓	✓	✓	✓	✓
		MIFARE DESFire EV2	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓
		MIFARE Plus S, X	✓	✓	✓	✓	✓	✓
		MIFARE Pro X	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		MIFARE Smart MX	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		MIFARE Ultralight	✓	✓	✓	✓	✓	✓
		MIFARE Ultralight C	✓	✓	✓	✓	✓	✓
		MIFARE Ultralight EV1	✓	✓	✓	✓	✓	✓
		NTAG2xx	✓	✓	✓	✓	✓	✓
		PayPass	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		SLE44R35	✓	✓	✓	✓	✓	✓
		SLE66Rxx (my-d move)	✓	✓	✓	✓	✓ ⁶⁾	✓ ⁶⁾
	Topaz	✓	✓	✓	✓	✓	✓	
	ISO14443B	Calypso	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		Calypso Innovatron protocol	✓ ⁶⁾	✓ ⁶⁾	✓	✓	✓	✓
		CEPAS	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		CTS	✓	✓	✓	✓	✓	✓
		Moneo	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		Pico Pass	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ¹⁾	✓ ¹⁾
		SR14K, SR1X4K	✓	✓	✓	✓	✓	✓
	ISO18092/ ECMA340	SRI512, SRT512	✓	✓	✓	✓	✓	✓
		NFC Forum Tag Type 1-5	✓	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		NFC Peer-to-Peer	✓	✓	✓	✓	✓	✓
	ISO15693	Sony FeliCa	✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾
		EM4x33	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		EM4x35	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		HID iCLASS	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁰⁾	✓ ¹⁾	✓ ¹⁾
		HID iCLASS SE/SR/Elite	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁰⁾	✓ ¹⁾	✓ ¹⁾
		ICODE SLI	✓	✓	✓	✓	✓	✓
		LEGIC Advant	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓	✓
		M24LR16/64	✓	✓	✓	✓	✓	✓
		MB89R118/119	✓	✓	✓	✓	✓	✓
		Pico Pass	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾
	SRF55Vxx (my-d vicinity)	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	
	Tag-it	✓	✓	✓	✓	✓	✓	
	125 kHz / 134.2 kHz	LEGIC Prime	✓	✓	✓	✓	✓	✓
		AWID	✓	✓	✓	✓	✓	✓
		Cardax	✓	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾
		CASI-RUSCO	✓	✓	✓	✓	✓	✓
		Cotag	✓	✓	✓	✓	✓	✓
Deister		✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	
EM4100, 4102, 4200		✓	✓ ¹¹⁾	✓ ¹¹⁾	✓ ¹¹⁾	✓ ¹¹⁾	✓ ¹¹⁾	
EM4050, 4150, 4450, 4550		✓	✓	✓	✓	✓	✓	
EM4305		✓	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	
FDX-B, EM4105		✓	✓	✓	✓	✓	✓	
G-Prox		✓	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	
HID DuoProx II (1336)		✓	✓	✓	✓	✓	✓	
HID ISO Prox II (1386)		✓	✓	✓	✓	✓	✓	
HID Micro Prox (1391)		✓	✓	✓	✓	✓	✓	
HID ProxKey III (1346)		✓	✓	✓	✓	✓	✓	
HID Prox		✓	✓	✓	✓	✓	✓	
HID Prox II (1326)		✓	✓	✓	✓	✓	✓	
HITAG 1, 2, S		✓	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	
ICT		✓	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	
IDTECK		✓	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓	✓	
Indala		✓	✓	✓	✓	✓	✓	
ioProx		✓	✓	✓	✓	✓	✓	
ISONAS		✓	✓	✓	✓	✓	✓	
Keri		✓	✓	✓	✓	✓	✓	
Miro		✓	✓	✓	✓	✓	✓	
Nedap		✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	
Nexwatch		✓	✓	✓	✓	✓	✓	
PAC		✓	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	
Pyramid		✓	✓	✓	✓	✓	✓	
Q5		✓	✓	✓	✓	✓	✓	
T5557, T5567, T5577	✓	✓	✓	✓	✓	✓		
TIRIS/HDX	✓	✓	✓	✓	✓	✓		
TITAN (EM4050)	✓	✓	✓	✓	✓	✓		
UNIQUE	✓	✓	✓	✓	✓	✓		
ZODIAC	✓	✓	✓	✓	✓	✓		

1) UID only 2) UID Only, read/write on request 3) NFC Forum Tag 1 and 5 on request only 4) on request 5) r/w, enhanced security features planned 6) r/w in direct chip command mode
7) UID + r/w public area 8) Without crypto 9) Hash value only 10) UID + PAC (CSN & Facility Code), r/w on request 11) only emulation of 4100, 4102

(((•)))		Elatec RFID Systems		Single-frequency reader/writers (125 kHz / 134.2 kHz / 13.56 MHz ± NFC)				
		with Antenna →	Mini Reader MIFARE NFC	TWN4				
				PCSC HF	MultiTech HF Mini	MultiTech HF Mini I	MultiTech 2 & 3 LF	MultiTech 2 & 3 LF P
		without Antenna →			MultiTech 2 & 3 HF	MultiTech Nano HF I	MultiTech Nano LF	MultiTech Nano LF P
13.56 MHz	ISO14443A	HID iCLASS Seos/Seos Elite		✓ ¹⁾	✓ ¹⁾	✓ ¹⁰⁾		
		LEGIC Advant	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾			
		MIFARE Classic	✓	✓	✓			
		MIFARE Classic EV1	✓ ⁵⁾	✓	✓ ⁵⁾	✓ ⁵⁾		
		MIFARE Mini	✓	✓	✓			
		MIFARE DESFire EV1	✓ ¹²⁾	✓	✓	✓		
		MIFARE DESFire EV2	✓ ¹²⁾	✓	✓ ⁵⁾	✓ ⁵⁾		
		MIFARE Plus S, X	✓	✓	✓	✓		
		MIFARE Pro X	✓ ¹⁾		✓ ⁶⁾	✓ ⁶⁾		
		MIFARE Smart MX	✓ ⁶⁾	✓	✓ ⁶⁾	✓ ⁶⁾		
		MIFARE Ultralight	✓	✓	✓	✓		
		MIFARE Ultralight C	✓	✓	✓	✓		
		MIFARE Ultralight EV1	✓ ⁵⁾	✓	✓	✓		
		NTAG2xx	✓	✓	✓	✓		
		PayPass	✓ ⁶⁾	✓	✓ ⁶⁾	✓ ⁶⁾		
		SLE44R35	✓	✓	✓	✓		
		SLE66Rxx (my-d move)	✓ ⁶⁾	✓ ²⁾	✓	✓		
	Topaz		✓	✓	✓			
	ISO14443B	Calypso	✓ ⁶⁾	✓	✓ ⁶⁾	✓ ⁶⁾		
		Calypso Innovatron protocol		✓	✓ ⁶⁾			
		CEPAS	✓ ⁶⁾	✓	✓ ⁶⁾	✓ ⁶⁾		
		CTAS		✓	✓	✓		
		Moneo	✓ ⁶⁾	✓	✓ ⁶⁾	✓ ⁶⁾		
		Pico Pass	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ²⁾		
		SRI4K, SRIX4K	✓	✓ ⁴⁾	✓	✓		
	ISO18092/ ECMA-340	SRI512, SRT512	✓	✓ ⁴⁾	✓	✓		
		NFC Forum Tag Type 1-5	✓ ³⁾	✓	✓ ³⁾	✓ ³⁾		
		NFC Peer-to-Peer		✓	✓	✓		
	ISO15693	Sony FeliCa	✓ ¹⁾	✓ ²⁾	✓ ⁷⁾	✓ ⁷⁾		
		EM4x33		✓ ²⁾	✓ ⁶⁾	✓ ⁶⁾		
		EM4x35		✓ ²⁾	✓ ⁶⁾	✓ ⁶⁾		
		HID iCLASS		✓ ¹⁾	✓ ¹⁾	✓ ¹⁰⁾		
		HID iCLASS SE/SR/Elite		✓ ¹⁾	✓ ¹⁾	✓ ¹⁰⁾		
		iCODE SLI		✓	✓	✓		
		LEGIC Advant		✓ ¹⁾	✓ ¹⁾	✓ ¹⁾		
M24LR16/64			✓	✓	✓			
MB89R118/119			✓	✓	✓			
Pico Pass			✓ ²⁾	✓ ¹⁾	✓ ¹⁾			
SRF55Vxx (my-d vicinity)			✓ ²⁾	✓ ⁶⁾	✓ ⁶⁾			
Tag-it			✓	✓	✓			
125 kHz / 134.2 kHz		AWID					✓	✓
	Cardax					✓ ⁹⁾	✓ ⁹⁾	
	CASI-RUSCO					✓	✓	
	Cotag						✓	
	Deister					✓ ⁹⁾	✓ ⁹⁾	
	EM4100, 4102, 4200					✓ ¹¹⁾	✓ ¹¹⁾	
	EM4050, 4150, 4450, 4550					✓	✓	
	EM4305					✓ ⁴⁾	✓ ⁴⁾	
	FDX-B, EM4105					✓	✓	
	G-Prox						✓ ⁹⁾	
	HID DuoProx II (1336)						✓	
	HID ISO Prox II (1386)						✓	
	HID Micro Prox (1391)						✓	
	HID ProxKey III (1346)						✓	
	HID Prox						✓	
	HID Prox II (1326)						✓	
	HITAG 1, 2, S						✓ ⁸⁾	✓ ⁸⁾
	ICT						✓ ⁹⁾	✓ ⁹⁾
	IDTECK						✓ ⁹⁾	✓ ⁹⁾
	Indala						✓	✓
	ioProx						✓	✓
	ISONAS						✓	✓
	Keri						✓	✓
	Miro						✓	✓
	Nedap						✓ ⁹⁾	✓ ⁹⁾
	Nexwatch						✓	✓
	PAC						✓ ⁹⁾	✓ ⁹⁾
	Pyramid						✓	✓
	Q5						✓	✓
	T5557, T5567, T5577						✓	✓
TIRIS/HDX						✓	✓	
TITAN (EM4050)						✓	✓	
UNIQUE						✓	✓	
ZODIAC						✓	✓	

1) UID only 2) UID Only, read/write on request 3) NFC Forum Tag 1 and 5 on request only 4) on request 5) r/w, enhanced security features planned 6) r/w in direct chip command mode
7) UID + r/w public area 8) Without crypto 9) Hash value only 10) UID + PAC (CSN & Facility Code), r/w on request 11) only emulation of 4100, 4102 12) AES only

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