

(((●))) RFID ELATEC systems		TWN4 MultiTech (125 kHz + 134.2 kHz + 13.56 MHz + NFC + Bluetooth Low Energy)					
Options →		Option Standard	Option P	Option PI	Option Standard	Option P	
with antenna →		MT LF+HF, SmartCard	MT LF+HF P, SmartCard P	MT LF+HF PI, Smart Card PI	MT LEGIC LF+HF	MT LEGIC LF+HF P	
		MT 2 BLE, MT 2 LF+HF	MT 2 BLE P, MT2 LF+HF P	MT 2 BLE PI, MT 2 LF+HF PI	SmartCard LEGIC	SmartCard LEGIC P	
		MT 3 BLE, MT 3 LF+HF USB Front Reader	MT 3 BLE P, MT 3 LF+HF USB Front Reader P	MT 3 BLE PI, MT 3 LF+HF USB Front Reader PI	MT3 LEGIC BLE, MT3 LEGIC LF+HF, USB Front Reader LEGIC	MT3 LEGIC BLE P, MT3 LEGIC LF+HF P, USB Front Reader LEGIC P	
		Palon PCB, Palon Wall, Palon Panel	Palon PCB P, Palon Wall P, Palon Panel P	Palon PCB PI, Palon Wall PI, Palon Panel PI			
without antenna →		Slim	Slim-P	Slim-PI			
		Core Nano	Core P Nano P	Core PI Nano PI	Core LEGIC Nano LEGIC	Core LEGIC P Nano LEGIC P	
13.56 MHz	ISO14443A	LEGIC Advant	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓	✓
		MIFARE Classic, Mini	✓	✓	✓	✓	✓
		MIFARE Classic EV1	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ²⁾
		MIFARE DESFire Light	✓ ¹¹⁾	✓ ¹¹⁾	✓ ¹¹⁾	✓ ¹¹⁾	✓ ¹¹⁾
		MIFARE DESFire EV1	✓	✓	✓	✓	✓
		MIFARE DESFire EV2	✓ ¹¹⁾	✓ ¹¹⁾	✓ ¹¹⁾	✓ ¹¹⁾	✓ ¹¹⁾
		MIFARE Plus S, X	✓	✓	✓	✓	✓
		MIFARE Pro X	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		MIFARE Smart.MX	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		MIFARE Ultralight	✓	✓	✓	✓	✓
		MIFARE Ultralight C	✓	✓	✓	✓	✓
		MIFARE Ultralight EV1	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ²⁾
		NTAG2xx	✓	✓	✓	✓	✓
		PayPass	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		SLE44R35	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
	SLE66Rxx (my-d move)	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	
	Topaz	✓	✓	✓	✓	✓	
	HID iCLASS SEOS	✓ ¹⁾	✓ ¹⁾	✓ ¹⁰⁾	✓ ¹⁾	✓ ¹⁾	
	ISO14443B	Calyпсо	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		Calyпсо Innovatron protocol	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓	✓
		CEPAS	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		HID iCLASS	✓ ¹⁾	✓ ¹⁾	✓	✓ ¹⁾	✓ ¹⁾
		CTS	✓	✓	✓	✓	✓
		Moneo	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		Pico Pass	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ¹⁾	✓ ¹⁾
		SRI4K, SRIX4K	✓	✓	✓	✓	✓
		SRI512, SRT512	✓	✓	✓	✓	✓
		NFC Forum Tag Type 1-5	Type 1-5	Type 1-5	Type 1-5	Type 2-5	Type 2-5
	ISO18092/ ECMA-340	NFC Peer-to-Peer	✓	✓	✓	✓	✓
		Sony FeliCa	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾
	ISO15693	EM4x33	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		EM4x35	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		HID iCLASS	✓ ¹⁾	✓ ¹⁾	✓	✓ ¹⁾	✓ ¹⁾
		HID iCLASS SE/SR/Elite	✓ ¹⁾	✓ ¹⁾	✓	✓ ¹⁾	✓ ¹⁾
		ICODE SLI	✓	✓	✓	✓	✓
		LEGIC Advant	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓	✓
		M24LR16/64	✓	✓	✓	✓	✓
		MB89R118/119	MT2, MT3, Nano, Palon, Wall, Panel, Slim	MT2, MT3, Nano, Palon, Wall, Panel, Slim	MT2, MT3, Nano, Palon, Wall, Panel, Slim	✓	✓
		SRF55Vxx (my-d vicinity)	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
		Tag-it	✓	✓	✓	✓	✓
Pico Pass		✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ¹⁾	✓ ¹⁾	
LEGIC Prime		✓	✓	✓	✓	✓	
125 kHz / 134.2 kHz ⁸⁾		AWID	✓	✓	✓	✓	✓
	Cardax	✓	✓	✓	✓	✓	
	CASI-RUSCO	✓	✓	✓	✓	✓	
	Coltag	✓	✓	✓	✓	✓	
	Deister	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	
	EM4100, 4102, 4200 ⁷⁾	✓	✓	✓	✓	✓	
	EM4050, 4150, 4450, 4550	✓	✓	✓	✓	✓	
	EM4305	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	
	FDX-B, EM4105	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	
	G-Prox	✓	✓ 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	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	
	ICT	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	
	IDTECK	✓	✓	✓	✓	✓	
	Indala	✓	✓	✓	✓	✓	
	ioProx	✓	✓	✓	✓	✓	
	ISONAS	✓	✓	✓	✓	✓	
	Keri	✓	✓	✓	✓	✓	
	Miro	✓	✓	✓	✓	✓	
	Nedap	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	
	Nexwatch	✓	✓	✓	✓	✓	
	PAC	✓ ⁸⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁸⁾	✓ ⁸⁾	
	Pyramid	✓	✓	✓	✓	✓	
	Q5	✓	✓	✓	✓	✓	
	T5557, T5567, T5577	✓	✓	✓	✓	✓	
	TIRIS/HDX	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	
	TITAN (EM4050)	✓	✓	✓	✓	✓	
	UNIQUE	✓	✓	✓	✓	✓	
	ZODIAC	✓	✓	✓	✓	✓	

1)UID only 2)r/w enhanced security features on request 3)r/w in direct chip command mode 4)UID only, read/write on request 5)UID + r/w public area 6)Hash value only 7)Only emulation of 4100, 4102 8)On request 9)Without encryption 10)UID + PAC (CSN & Facility Code), r/w on request 11)In preparation 12) 125/134.2kHz technology requires a Russian local test and import license from the ministry of Trade and Industry (MINPROMTORC). This license has to be in place before ELATEC can accept any order to be shipped to Russia

((())) RFID ELATEC systems		single frequency (125 kHz or 13.56 MHz + NFC + Bluetooth Low Energy)						
					Option Standard	Option I	Option Standard	Option P
with antenna →		Mini Reader	TWN3 MIFARE	TWN3 LEGIC NFC	TWN4 Mini Reader MT 2 HF & MT 3 HF	TWN4 Mini Reader I MT 2 HF I & MT 3 HF I	MT2 LF	MT 2 LF P
without antenna →					Nano HF	Nano HF I	Nano LF	Nano LF P
13.56 MHz	ISO14443A	LEGIC Advant	✓ ¹⁾	✓ ¹⁾	✓	✓ ¹⁾	✓ ¹⁾	
		MIFARE Classic, Mini	✓	✓	✓ ¹⁾	✓	✓	
		MIFARE Classic EV1	✓ ²⁾	✓ ²⁾	✓ ¹⁾	✓ ²⁾	✓ ²⁾	
		MIFARE DESFire Light	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹¹⁾	✓ ¹¹⁾	
		MIFARE DESFire EV1	✓ ¹⁾	✓ ¹⁾	✓	✓	✓	
		MIFARE DESFire EV2	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹¹⁾	✓ ¹¹⁾	
		MIFARE Plus S, X	✓	✓ ¹⁾	✓	✓	✓	
		MIFARE Pro X	✓ ¹⁾	✓ ¹⁾	✓ ²⁾	✓ ³⁾	✓ ³⁾	
		MIFARE Smart MX	✓ ¹⁾	✓ ¹⁾	✓ ²⁾	✓ ³⁾	✓ ³⁾	
		MIFARE Ultralight	✓	✓	✓	✓	✓	
		MIFARE Ultralight C	✓ ¹⁾	✓ ¹⁾	✓	✓	✓	
		MIFARE Ultralight EV1	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ²⁾	
		NTAG2xx	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓	✓	
		PayPass	✓ ¹⁾	✓ ¹⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	
		SLE44R35	✓ ¹⁾	✓ ¹⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	
		SLE66Rxx (my-d move)	✓ ¹⁾	✓ ¹⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	
		Topaz				✓	✓	
		HID iCLASS SEOS	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁰⁾	
		Calypso	✓ ¹⁾		✓ ²⁾	✓ ³⁾	✓ ³⁾	
	Calypso Innovatron protocol				✓ ³⁾	✓ ³⁾		
	CEPAS	✓ ¹⁾		✓ ²⁾	✓ ³⁾	✓ ³⁾		
	HID iCLASS	✓ ¹⁾		✓ ¹⁾	✓ ¹⁾	✓		
	CTS				✓	✓		
	Moneo	✓ ¹⁾		✓ ²⁾	✓ ³⁾	✓ ³⁾		
	Pico Pass	✓ ¹⁾		✓ ³⁾	✓ ⁴⁾	✓ ⁴⁾		
	SR14K, SR1X4K	✓			✓	✓		
	SR1512, SRT512	✓			✓	✓		
	ISO18092/ ECMA-340	NFC Forum Tag Type 1-5	Type 2-4	Type 2-4	Type 2-5	Type 1-5	Type 1-5	
		NFC Peer-to-Peer				✓	✓	
		Sony FelCa	✓ ¹⁾		✓ ³⁾	✓ ⁵⁾	✓ ⁵⁾	
	ISO15693	EM4x33			✓ ³⁾	✓ ³⁾	✓ ³⁾	
		EM4x35			✓ ³⁾	✓ ³⁾	✓ ³⁾	
		HID iCLASS			✓ ¹⁾	✓ ¹⁾	✓	
		HID iCLASS SE/SR/Elite			✓ ¹⁾	✓ ¹⁾	✓	
		iCODE SLI			✓ ³⁾	✓	✓	
		LEGIC Advant			✓	✓ ¹⁾	✓ ¹⁾	
		M24LR16/64			✓ ³⁾	✓	✓	
		MB89R118/119				MT2, MT3, Nano	MT2, MT3, Nano	
		SRF55Vxx (my-d vicinity)			✓ ³⁾	✓ ³⁾	✓ ³⁾	
		Tag-it			✓ ³⁾	✓	✓	
		Pico Pass			✓ ¹⁾	✓ ⁴⁾	✓ ⁴⁾	
	125 kHz / 134.2 kHz⁸⁾	LEGIC Prime			✓			
		AWID						✓
		Cardax						✓
		CASI-RUSCO						✓
Colag							✓	
Deister							✓ ⁶⁾	
EM4100, 4102, 4200 ⁹⁾							✓	
EM4050, 4150, 4450, 4550							✓	
EM4305							✓ ⁸⁾	
FDX-B, EM4105							✓ ⁸⁾	
G-Prox							✓ ⁶⁾	
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							✓ ⁹⁾	
ICT							✓ ⁸⁾	
IDTECK							✓	
Indala							✓	
ioProx							✓	
ISONAS							✓	
Keri							✓	
Miro							✓	
Nedap							✓ ⁶⁾	
Nexwatch							✓	
PAC							✓ ⁸⁾	
Pyramid							✓	
Q5							✓	
T5557, T5567, T5577							✓	
TIRIS/HDX							✓ ⁸⁾	
TITAN (EM4050)						✓		
UNIQUE						✓		
ZODIAC						✓		

1)UID only 2)r/w enhanced security features on request 3)r/w in direct chip command mode 4)UID only, read/write on request 5)UID + r/w public area 6)Hash value only 7)Only emulation of 4100, 4102 8)On request 9)Without encryption 10)UID + PAC (CSN & Facility Code), r/w on request 11)In preparation 12) 125/134.2kHz technology requires a Russian local test and import license from the ministry of Trade and Industry (MINPROMTORG). This license has to be in place before ELATEC can accept any order to be shipped to Russia

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