

(((•)))		ASE RFID Systems	TWN4 MultiTech multi-frequency reader/writers (125 kHz + 134.2 kHz + 13.56 MHz + NFC ± Bluetooth Low Energy/BLE)				
with Antenna →			MultiTech 2 & 3 BLE	MultiTech 2 & 3 BLE P	MultiTech 2 & 3 BLE PI		
			MultiTech (SmartCard)	MultiTech (SmartCard) P	MultiTech (SmartCard) PI	MultiTech (SmartCard) LEGIC	MultiTech (SmartCard) LEGIC P
without Antenna →			MultiTech Core	MultiTech Core P	MultiTech Core PI	MultiTech Core LEGIC	MultiTech Core LEGIC P
			MultiTech Nano	MultiTech Nano P	MultiTech Nano PI	MultiTech Nano LEGIC	MultiTech Nano LEGIC P
13.56 MHz	ISO14443A	LEGIC Advant	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓	✓
		MIFARE: Classic/DESFire EV1/Mini/Plus S & X/Ultralight/Ultralight C & EV1	✓	✓	✓	✓	✓
		MIFARE Classic EV1	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾
		MIFARE DESFire EV2	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾
		MIFARE Pro X, Smart MX	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		LEGIC Prime				✓	✓
		NTAG2xx, SLE44R35	✓	✓	✓	✓	✓
		PayPass	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		SLE66Rxx (my-d move)	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		Topaz	✓	✓	✓		
	ISO14443B	Calypso, CEPAS, Moneo	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		Calypso Innovatron protocol	✓ ⁵⁾	✓ ⁵⁾	✓ ⁵⁾		
		Pico Pass	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ¹⁾	✓ ¹⁾
		SRI4K, SR1X4K, SRI512, SRT512	✓	✓	✓		
		HID iCLASS	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾
	ISO18092 / ECMA-340	NFC Forum Tag 1-5	✓	✓	✓		
		NFC Peer-to-Peer, NFC active and passive communication mode	✓	✓	✓	✓	✓
		Sony FelCa	✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾
		Passive peer-to-peer mode - initiator, NFC Tag 2/3/4				✓	✓
	ISO15693	EM4x33, EM4x35	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		HID iCLASS, HID iCLASS SE/SR	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾
		ICODE SLI, Tag-it	✓	✓	✓	✓	✓
		LEGIC Advant	✓ ¹⁾	✓ ¹⁾	✓ ¹⁾	✓	✓
		M24LR16/64	✓	✓	✓	✓	✓
		MB89R118/119	✓ ¹²⁾	✓ ¹²⁾	✓ ¹²⁾		
		SRF55Vxx (my-d vicinity)	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾	✓ ⁶⁾
		Pico Pass	✓ ²⁾	✓ ²⁾	✓ ²⁾	✓ ¹⁾	✓ ¹⁾
		LEGIC Prime				✓	✓
	125 kHz / 134.2 kHz	AWID, Cardax, CASI-RUSCO, FDX-B	✓	✓	✓	✓	✓
		Coltag	✓	✓	✓		
Deister		✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	
EM4100, 4102, 4105, 4050, 4150, 4450, 4550		✓	✓	✓	✓	✓	
EM4200		✓ ¹²⁾	✓ ¹²⁾	✓ ¹²⁾	✓ ¹²⁾	✓ ¹²⁾	
EM4305		✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	
G-Prox		✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	
HID DuoProx II, ISO Prox II, Prox, Prox II			✓	✓	✓	✓	
HID Micro Prox, ProxKey III			✓	✓	✓	✓	
HID iCLASS				✓ ¹⁰⁾			
HID iCLASS SE/SR/SEOS (CSN & Facility Code/PAC)				✓ ¹⁰⁾			
HID iCLASS Elite & SE Elite		✓	✓	✓			
HITAG 1, 2, S		✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	✓ ⁸⁾	
ICT		✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	
IDTECK		✓	✓	✓	✓	✓	
Indala			✓	✓		✓	
ioProx			✓	✓		✓	
Isonas		✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	✓ ⁴⁾	
Keri, Miro, PAC, Pyramid, Q5, UNIQUE		✓	✓	✓	✓	✓	
Nedap		✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	✓ ⁹⁾	
Nexwatch			✓	✓		✓	
T5557, T5567, T5577		✓	✓	✓	✓	✓	
TIRIS/HDX		✓	✓	✓	✓	✓	
TITAN (EM4050)		✓	✓	✓	✓	✓	
ZODIAC		✓	✓	✓	✓	✓	

1) UID only 2) UID Only, read/write on request 3) on request 4) r/w, enhanced security features on request 5) r/w in direct chip command mode 6) UID + r/w public area 7) Without crypto 8) Hash value only 9) UID + PAC (CSN & Facility Code), r/w on request 10) Only emulation of 4100, 4102
11) Supported by TWN4 MultiTech 2/3 BLE and TWN4 MultiTech Nano only 12) Not supported by TWN4 MultiTech HF Mini 13) AES only

with Antenna →		Mini Reader MIFARE NFC	TWN4					
			Logi HF	MultiTech HF Mini	MultiTech HF Mini I			
without Antenna →				MultiTech 2 & 3 HF	MultiTech 2 & 3 HF I	MultiTech 2 LF	MultiTech 2 LF P	
				MultiTech Nano HF	MultiTech Nano HF I	MultiTech Nano LF	MultiTech Nano LF P	
13.56 MHz	ISO14443A	LEGIC Advant	✓ 1)	✓ 1)	✓ 1)	✓ 1)		
		MIFARE: Classic/Mini/ Plus S & X/Ultralight/ Ultralight C	✓	✓	✓	✓		
		MIFARE Classic EV1	✓ 4)	✓	✓ 4)	✓ 4)		
		MIFARE DESFire EV1	✓ 13)	✓	✓	✓		
		MIFARE DESFire EV2	✓ 13)	✓	✓ 4)	✓ 4)		
		MIFARE Pro X	✓ 1)		✓ 5)	✓ 5)		
		MIFARE Smart MX	✓ 5)	✓	✓ 5)	✓ 5)		
		MIFARE Ultralight EV1	✓ 4)	✓	✓	✓		
		LEGIC Prime						
		NTAG2xx, SLE44R35	✓	✓	✓	✓		
		PayPass	✓ 5)	✓	✓ 5)	✓ 5)		
		SLE66Rxx (my-d move)	✓ 5)	✓ 2)	✓ 5)	✓ 5)		
	Topaz		✓	✓	✓			
	Calypso, CEPAS, Moneo	✓ 5)	✓	✓ 5)	✓ 5)			
	Calypso Innovatron protocol		✓	✓ 5)	✓ 5)			
	Pico Pass	✓ 2)	✓ 2)	✓ 2)	✓ 2)			
	SRI4K, SR1X4K, SR1512, SRT512	✓	✓ 3)	✓	✓			
	HID iCLASS	✓ 1)	✓ 1)	✓ 1)	✓ 1)			
	NFC Forum Tag 1-5		✓	✓	✓			
	NFC Peer-to-Peer, NFC active and passive communication mode			✓	✓			
	Sony FeliCa	✓ 1)	✓ 2)	✓ 6)	✓ 6)			
	ISO18092/ ECMA-340	Passive peer-to-peer mode - initiator, NFC Tag 2/3/4						
		EM4x33, EM4x35		✓ 2)	✓ 5)	✓ 5)		
		HID iCLASS, HID iCLASS SE/SR		✓ 1)	✓ 1)	✓ 1)		
	ISO15693	ICODE SLI, Tag-it		✓	✓	✓		
		LEGIC Advant		✓ 1)	✓ 1)	✓ 1)		
		M24LR16/64		✓	✓	✓		
		MB89R118/119		✓ 12)	✓	✓		
		SRF55Vxx (my-d vicinity)		✓ 2)	✓ 5)	✓ 5)		
		Pico Pass		✓ 2)	✓ 2)	✓ 2)		
125 kHz / 134.2 kHz	LEGIC Prime							
	AWID, Cardax, CASI-RUSCO, FDX-B					✓	✓	
	Cotag					✓	✓	
	Deister					✓ 8)	✓ 8)	
	EM4100, 4102, 4105, 4050, 4150, 4450, 4550					✓	✓	
	EM4200					✓ 10)	✓ 10)	
	EM4305					✓ 3)	✓ 3)	
	G-Prox					✓ 8)	✓ 8)	
	HID DuoProx II, ISO Prox II, Prox, Prox II						✓	
	HID Micro Prox, ProxKey III						✓	
	HID iCLASS, Elite, SE Elite							
	HID iCLASS SE/SR/SEOS (CSN & Facility Code/PAC)							
	HITAG 1, 2, S					✓ 7)	✓ 7)	
	ICT					✓ 3)	✓ 3)	
	IDTECK					✓	✓	
	Indala						✓	
	ioProx						✓	
	Isonas					✓ 3)	✓ 3)	
	Keri, Miro, PAC, Pyramid, Q5, UNIQUE					✓	✓	
	Nedap					✓ 8)	✓ 8)	
	Nexwatch						✓	
	T5557, T5567, T5577					✓	✓	
	TIRIS/HDX					✓	✓	
	TITAN (EM4050)					✓	✓	
	ZODIAC					✓	✓	

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