



Dual factor authentication and optional Alarm Pad function with an LCD display for user feedback and messaging.

General Specifications		
Power Requirement	- VDC Regulated	7-18 VDC
Current Consumption	- Idle	76mA
	- Peak	168mA
Card Read Range	- Metric	20mm - 40 mm
	- USA	0.8" - 1.6"
Operating Temperature	- Metric	-20°C to +65°C
	- USA	-4°F to +149°F
Relative Humidity	- % max	90%, operating non condensing
Reader Dimensions	- Metric	156mm x 98mm x 50mm
	- USA	6.14" x 3.86" x 1.97"
Status LED's	- Colour	Green, Red (ext control to Green)
Audible Tone		Tone on matching software key and wired buzzer control
Colour finish		Charcoal or Ivory
LCD		8 x20 characters
LCD Messaging		Standard Card & PIN
		Read/Access Messaging Custom messaging in RS485 Mode
Keypad		Backlit, 16 Button,
Certifications/Ratings		RCM Mark, FCC, CE ROHS, IP65

BT853 M2000

The BT853 series reader is designed for medium to high security applications where two forms of authentication (card & PIN) are required for access. Featuring a two line LCD display providing visual indication of system status, access feedback and system messaging (customised LCD information optional) and a optional ready wakeup sensor on user approach.

The BT853 series is available in several technologies and in three switchable modes of operation: Card & PIN, Card Only, PIN only. Compatible with DESFire EV2 Cards.

Model Features

Model	Technology			Authentication Factors			Encode			Encryption			Sector Keys			13.56MHz Credential type and option			Output Protocol			Other											
	Mifare Classic	Mifare Plus	DESfire	Card	Biometric	Keypad	CSN/UID	Sector	Application	Random UID	Diversified Keys	Crypto 1	3 DES	AES (optional)	MiPASS 2	MiPASS 3	Customisable	ISO14443A	ISO14443B	Mifare 1K & 4K	Mifare Plus 2K & 4K	DESfire EV1 4K & 8K	Wiegand 32 Bit	Wiegand 26-199 Bit	Encrypted RS485*	Read / Write	PIC = PIN on Card	Custom PIN Output	Indoor / Outdoor	Tamper option			
BT853	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
BT853-A																							✓	✓							✓	✓	
BT853-1	✓			✓	✓	✓	✓																✓									✓	
BT853-2	✓			✓	✓	✓	✓	✓		✓	✓			✓				✓	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
BT853-3	✓			✓	✓	✓	✓	✓		✓	✓					✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BT853-4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
BT853-6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

* Requires High Security Module (HSM) AES 128bit encryption