



General Specifications

Power Requirement	- VDC at unit	7-18 VDC
Current Consumption	- Idle	63mA
	- 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	Red & Green
Audible Tone		Tone on matching software key and wired buzzer control
Colour finish		Charcoal
LCD		8 x20 characters
LCD Messaging		Standard Card & PIN
		Read/Access Messaging Custom messaging in RS485 Mode
Keypad		Backlit, 16 Button,
IP Rating		IP65

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

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

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)	MIFASS 2	MIFASS 3	Customisable	ISO 14443A	ISO 14443B	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-A																							X	X					X	X	
BT853-1	X			X	X	X													X				X						X		
BT853-2	X		X	X	X	X				X	X				X			X	X				X			X	X		X		X
BT853-3	X		X	X	X	X				X	X				X	X		X	X				X	X	X		X	X	X	X	X
BT853-4		X	X	X	X	X	X	X	X	X	X				X		X	X	X	X						X	X		X		X
BT853-6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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