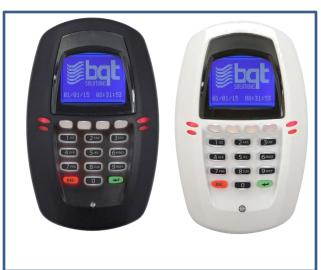
BT853





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

Requires High Security Module (HSM) AES 128bit encryption

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.

Mod	lel l	Feat	tures
-----	-------	------	-------

	Те	chnolo	gy		nentica Factors				Encode	e		Е	Encryption			Sector Keys			13.56MHz Credential type and option					out Pro	tocol	Other				
BT853	Miffare 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 EV14K & 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	Alarm	functio	ons onl	y, BQT	output	proto	col																	✓	✓				✓	✓
BT853-1	✓			✓		✓	✓													✓			✓						✓	
BT853-2	✓			✓		✓	✓	✓			✓	✓			✓			✓		✓			✓			✓	✓		✓	
BT853-3	✓			✓		✓	✓	✓			✓	✓					✓	✓		✓				✓	✓	✓		✓	✓	✓
BT853-4			✓	✓		✓	✓	✓	✓		✓	✓	✓			✓		✓		✓		✓	✓			✓	✓		✓	
ВТ853-6	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓		✓	✓	✓		✓	✓	✓		✓	✓	✓