DATA SHEET — BT835 Series

bqt SOLUTIONS

A protective custody reader that is highly damage & vandal resistant

General Specifications

Power Requirement	- VDC regulated	7-16 VDC
Current Consumption	- Average	45ma
	- Peak	135ma
Card Read Range	- Metric	20mm - 40 mm
	- USA	0.8"- 1.6"
Operating Temperature	- Metric	-25°C to +65°C
	- USA	-13°F to +149°F
Relative Humidity	- % max	90%, operating non condensing
Reader Dimensions	- Metric	150mm (L) x 150mm (W) x 26mm (D)
	- USA	5.91" (L) x 5.91" (W) x 1.02" (D)
Status LED's	- Colour	Green and Red
Audible Tone		Internal & external buzzer control
Colour finish		Charcoal
Certifications		C-tick, FCC, CE
IP Rating		IP65
ROHS		Compliant
Face Plate Material		6 mm (0.236") Black Acrylic

M1000

The BT835 Series of readers is a flush mount unit designed to be highly damage and vandal resistant. when installed with security screws, it provides the perfect balance of safety and security. The BT835 is often used in forensic and psychiatric hospitals, correctional institutions, immigration detention centres and other applications which require an extremely low profile, highly damage and vandal resistant smart reader.

Available in several models, the BT835 caters for all security requirements large or small and offers a solution for all applications whether driven by budget or functionality.

Model Features

BT835	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	Mifare Plus	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	Indoor / Outdoor	Tamper option
BT835-2	✓			✓			✓	✓		✓	✓				✓				✓		✓				✓		✓	✓	
BT835 -3	✓			✓			✓	✓		✓	✓					✓	✓	✓				✓		✓	✓		✓	✓	✓
BT835 -4		✓	✓	✓			✓	✓	✓	✓	✓		✓	✓				✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
BT835 -6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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