miPASS)))

F series

BQT's F Series miPASS Mifare 13.56MHz reader is designed for all access control installations where high level security is required to be discreet and unobtrusive.

> | DF815F

> | BT815F

> | miP5F

> | CSN5F

The miPASS F Series offers superior security and flexibility through its customisation and encryption options to suit all access control requirements, delivering unrivalled security from the reader to the card.

The F Series caters for installations where a flush reader surface is required, rather than a reader that protrudes from its mounting surface. The reader is attached to a wall or flush mounting surface. The readers' internal components are hidden and contained within a cavity behind the mounting area. This leaves only a thin flat panel appears on the surface of the mounting area.

Ideal for new site installations or security upgrades of existing systems using 'Swipe' or 'Prox' (125 KHz) card and reader technologies, it offers a cost effective enhancement to your current access control system.

Available in four different models, the miPASS F Series range caters for all security requirements large or small, whether your projects are price or functionality driven.

Australian
Government
Endorsed
Supplier

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SOLUTIONS

miPASS F series models

DF815F

DESFire Technology

The DF815F DESFire reader offers 3DES encryption between a DESFire card and reader, delivering the most secure card transaction process available. It can be configured with various output protocols and programmed with customised encryption keys unique to each customer. The DESFire reader meets the TWIC standard for access applications in the USA.

BT815F

Mifare Technology

The BT815F Mifare reader can be configured with various output protocols and programmed with customised encryption keys unique to each customer. Also upgradeable with further security enhancements when requirements increase.

miP5F

SPEK Technology

The miP5F reader features miPASS SPEK (Secure Proximity Encryption Keys) for secure transmission between a miPASS card and the reader. A secure, cost effective solution or upgrade for any system. Available in Wiegand output protocol only.

CSN5F

Card Serial Number

The CSN5F reader will read any Mifare Smart Card's unique serial number and is available in 32 or 34 bit outputs.

miPASS F series specifications

	DF815F		BT815F				miP5F	CSN5F
model code	DF815F-D	DF815F-DG	BT815F-W	BT815F-WG	BT815F-D	BT815F-DG	miP5F	CSN5F
card type	DESFire 13.56MHz - ISO14443A		Mifare 13.56MHz - ISO14443A				Mifare 13.56MHz - ISO14443A	Mifare 13.56MHz - ISO14443A
miPASS card options	4KB		1KB & 4KB - other sizes & Keytag optional.				miP Card 1KB & 4KB - Keytag optional	Mifare 1KB & 4KB
card read type	Application & File		Sector				Sector	Card serial number
reader/card keys	• Customisable • Site specific		• Customisable • Site specific				miPASS SPEK	N/A
read & write	✔	✔	✔	✔	✔	✔	✔	Read only
set-up card function	✘	✔	✘	✔	✘	✔	✘	✘
firmware upgradable	✔	✔	✘	✘	✔	✔	✘	✘
hsm compatible	✔	✔	✘	✘	✔	✔	✘	✘
output protocol	• Wiegand 26 – 199 bit • RS485		• Wiegand 26 – 199 bit • RS485		• Wiegand 26 – 199 bit • RS485		Wiegand 26-199 bit	Wiegand: 32bit FWD, 32bit REV 34bit FWD, 34bit REV
encryption	• 3DES format between reader and card • AES 128 bit output from reader via RS485		• Mifare encryption between reader and card		• Mifare encryption between reader and card • AES 128 bit output from reader via RS485		Mifare standard format, utilising SPEK from reader to card	N/A

current consumption
  – normal
  – activated
	150mA
	170mA
			105mA
			120mA
				150mA
				170mA
							105mA
							120mA
								105mA
								120mA

power requirement	12Vdc/5Vdc		12Vdc	12Vdc/5Vdc			12Vdc	12Vdc/5Vdc
card read range	20-40mm		20-60mm				20-60mm	20-60mm
tamper enabled	✔							
operating temperature	-25°C to + 65°C (-13°F to 149°F)							
relative humidity	90% max, operating non-condensing							
reader dimensions	111.5 (L) x 111.5 (W) x 20 (D) mm (4.39" x 4.39" x 0.79")							
status LED's	Green & Red							
audible tone	Internal & external Buzzer control							
colour finish	Charcoal & Ivory							
certifications	FCC, CE, C-Tick							
IP Rating	IP67 – Internal or external applications							

For further information, please visit our website www.bqtsolutions.com or contact us at one of our global locations.