



Ultimate security, combining leading edge fingerprint scanning with secure encryption.

General Specifications

Power Requirement	- VDC regulated	12 VDC @ 0.5 amp
Current Consumption	- Average	154ma
	- Peak	252ma
Card Read Range	- Metric	20mm - 40 mm
	- USA	0.8" - 1.6"
Operating Temperature	- Metric	-0°C to +65°C
	- USA	+32°F to +149°F
Relative Humidity	- % max	90%, operating non condensing
Reader Dimensions	- Metric	188mm (L) x 121mm (W) x 60mm (D)
	- USA	7.4" (L) x 4.76" (W) x 2.36" (D)
Status LED's	- Colour	Red/Green, Blue, Yellow
Audible Tone		Internal & external buzzer control
Colour finish		Two toned Charcoal
Sensor		Optical
Certifications		ROHS
IP Rating		IP65
Warranty		12 Months

BIO X

The Bio X delivers the ultimate security by combining leading edge fingerprint scanning with secure encryption to provide 1 or 2 factor authentication. All within a robust weatherproof unit. The Bio Series is supplied standard with template on card, template on reader and/or 3rd Party database is also available.

Also available is our BIO XK which includes a keypad for 1, 2 or 3 factor authentication. An SDK enabled unit is also available for the BTBio XK and DFBio XK models.

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	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	
BIOMIP2X	X			X	X		X	X			X	X			X				X	X	X						X	X		
BIOMIP3X			X	X	X		X	X	X		X	X	X			X			X	X	X		X	X			X	X		
BTBIOX	X			X	X		X	X			X	X					X	X	X	X	X			X	X	X	X	X	X	X
DFBIOX	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