

Wireless Fingerprint Biometric Readers

BIO-14 (surface mount) & BIO-15 (flush mount)

Microlatch Wireless Stand-Alone, self contained biometrics readers. These products are patented world-wide and offer flexible and secure RF Rolling Code communications, plus optional Wiegand operation when combined with Microlatch Wiegand receivers. These self contained fingerprint activated products can operate such devices as electric locks, garage doors, security & alarm systems and many more. Up to 100 fingerprint units may be stored within the onboard user database.



BIO-14

SPECIFICATIONS

Operating Voltage	6 VDC IN
Current Consumption	160µA Standby; 87mA Maximum
Operating Frequency	433.92, 315, 868 MHz
	SAW Resonator Locked (+/-74KHz)
Transmission Modulation	AM ASK
Transmission Security	Keelock™ Code Hopping Technology
RF Range	Typical 50m (Environment dependant)
Touchchip™ Sensor Life	Minimum 1 million reads
False Acceptance Rate	0.01%
False Rejection Rate	0.1%
Operating Temperature Range	-10 °C to +40 °C
Certifications	C-Tick, CE and FCC Approvals

CCF-15

Microlatch's CCF (Comination Card and Finger) solution is another global patented technology platform solution. This product is designed to rapidly transition the market to higher security identification of the individual through biometrics and specifically fingerprint recognition. The traditional infrastructure for access and payment systems does not change! Microlatch again maintains the theme of 'simple and secure', whilst offering high security upgrade options for customers; seamlessly and at a fraction of the traditional costs. The significant advantage of Microlatch CCF is that it identifies the card or credential holder; existing systems only identify the card or PIN used!



BIO-15

SPECIFICATIONS

Operating Voltage	8-18VDC
Status Indication	3 LEDs and piezo buzzer
Physical Dimensions	85mm (W) x 85mm (L) x 40mm (D)
Communication Protocol	Wiegand, F2F, clock and data outputs
	Enrolment, storage, management & verification on board
Fingerprint Template	4000 +
Number of Users	User configurable spring loaded switch
Tamper Protection	Touchchip™ CMOS Active Capacitive
Sensor Type	Pixel Sensing
Touchchip™ Sensor Life	Minimum 1 million reads
False Accept Rate	0.01%