

IRIS BCR603BT with NFC

Mobile Bluetooth Biometric Smart Card Reader with NFC (Near Field Communication)

The IRIS BCR603BT with NFC is a next-generation, palm-sized Bluetooth LE v5 biometric smart card reader engineered for high speed security on the move. Compatible with iOS, iPadOS, macOS, Android, and Windows, it streamlines KYC processes by combining advanced biometric authentication with rapid data handling.

Equipped with NFC capability, the BCR603BT with NFC enables seamless reading of contactless smart cards and ePassports, expanding its versatility for identity verification, travel, and secure access applications. Compact yet robust, it delivers the perfect balance of mobility, interoperability, and elite protection for today's fast paced digital landscape.



Cross-platform
Compatibility



Instant
MyKad
Reading



Accurate
Biometric
Verification



Built-in
Battery



Bluetooth
LE v5



Near Field
Communication (NFC)



ePassport
Reading



IRIS BCR603BT with NFC SPECIFICATION

Standard Features

Dimensions (L x W x H)	98 mm x 62 mm x 27 mm
Weight	350 g (without cable)
OS Supported	iOS/iPadOS 14 and above, macOS Ventura (Version 13.x) and above, Android 13 and above, Windows® 10 and above
LED Indicators	3-colour LEDs
Buzzer	Yes

Operating Conditions

Temperature	0 °C to 55 °C
Humidity	10% - 90% RH, Non-condensing

Electrical

Host Interface	Bluetooth LE v5
Power	1150 mAH Rechargeable Li-ion battery USB-C charging 2.0 m detachable USB-C cable
Operating Hours	12 hours in continuous mode

Contact Card Reader

Standard	ISO/IEC 7816, Class A, B, and C, (5V, 3V, and 1.8V)
Read/Write Speed	Up to 115.2 kbps (card type dependent)
Card Slot	1x ID-000 (PSAM) 1x ID-1
Card Types	Class A, B & C
Durability	Min 500,000 insertions
Compliance/Certification	EMV 2000 Level 1 Compliant

Contactless Card/NFC Reader

Clock Frequency	13.56 MHz
Protocols Supported	ISO/IEC 14443 Type A/B

Optical Fingerprint Scanner

Model	CBM-E3
Image Resolution	500 DPI (256 greyscale, 8-bit per pixel)
Sensor Area (L x W)	14 mm x 22 mm
Image Compression	RAW, ISO/IEC 19792, WSQ (license required) and Proprietary
Embedded	Matcher Processing Capabilities
Compliance/Certification	FBI PIV IQS Certified, MINEX/FIPS 201, IP65

Additional Features

- Supports Cryptography Algorithms
- Support Hash Computation
- Built-in Secure Storage for Key Injection

Please Note: Features and specifications are subject to change.



Transportation



Access Control



Telco



Government Agencies



Enrolment



Healthcare & Insurance



Loyalty & Membership

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