

# BIOR502-MRZ

## Smartcard Reader

Chip-based ID card and e-passport reading & facial recognition

- Compliant with PC/SC, CCID Standards
- Supports ISO-7816-1/2/3 T=0 and T=1, Class A, B and C Cards
- Supports ISO-14443 standard card, including Type A, Type B, and Mifare© Family
- Supports secure firmware upgrades through USB
- Supports Android / Windows / Linux
- Dual 5MP binocular camera for accurate living face detection & verification
- Anti-reverse engineering & self-protection, firmware can't be read
- Indicators for 4 status (reader/card/battery/fingerprint sensor)
- Logo, case color, and shell surface treatment process customizable
- Photoelectric hybrid fingerprint sensor
- Integrated MRZ (Machine-Readable Zone) Scanner



The CheckID BioR502-MRZ is designed to meet tough security needs without sacrificing convenience. The device has a USB Type A female port allowing for it to be connected to a PC. Various biometric sensors such as SecuGen, SupreMa, ZKTeco and Morpho are supported by the card reader. The biometric sensor should be selected based on customer requirements.

Additional drivers may be required so it is recommended to check with the biometric sensor vendor. The SupreMa module offers a plug and play experience with no need to install a driver. The SecuGen and Morpho modules require their own driver for the respective biometric sensors.

The BioR502-MRZ supports one ID-1 size chip card interface slot, one contactless card slot, and two (secure authentication module (SAM)) slots located on the back of the reader. The four LED lights inform the user of the reader/card/biometric sensor status. The strong biometric sensor integration provides a total security solution.

The fingerprint reader is supported on the Android platform and can be connected by the appropriate cable allowing for wide scale adoption of smart card applications.

Our machine-readable zone (MRZ) recognition module enables you the possibility of quickly integrate passport, ID document scanning, and data extraction features into your App.

The bio-assay binocular camera supports facial recognition, accurate detection and living object detection. In addition, the reader acts as a standard smart card reader and is compliant with PC/SC and CCID standards.

The CheckID fingerprint reader suits customers where the security concerns are of the utmost importance while satisfying the demand for a flexible solution for ID authentication, e-commerce, e-payment, information and access control.

This fingerprint reader series and the rest of CheckID's smart card reader product line offers a complete solution for each individual use case.

