



Machine Readable Zone MRZ Technologies



TYPES OF MRZ READERS YOU CAN HAVE IN YOUR GRABBA

X040 – MRZ Reader

Grabba MRZ reader reads the Machine Readable Zone (MRZ) in Machine Readable Passports (MRP), Visas (MRV) and OCRB encoded cards such as the US Resident Alien card and Worldwide National ID cards. In addition, APACS debit and credit documents can be read (APACS standards 3.1 and 3.2, respectively), together with E13B, OCRB and mixed E13B and OCRB fonts.

The Grabba MRZ scanner is an Optical Character Recognition (OCR) swipe reader that is able to decode the information contained in the MRZ area and supports:

Hardware and Software for Basic Access Control (BAC) which is a mechanism that ensures only authorized parties can wirelessly read personal information from passports with an RFID chip.

Hardware for Extended Access Control (EAC), which is a set of advanced security features for electronic passports that protects and restricts access to sensitive personal data contained in the RFID chip

ABOUT OUR MRZ TECHNOLOGY

Grabba MRZ reader is fast, accurate mobile, lightweight and easy to use. It is commonly combined, in the one Grabba unit, with the High Frequency Mifare RFID reader which takes the code read by the MRZ reader and accesses the embedded chip in an ICAO compliant e-Passport, thereby providing complete verification.

Airlines, Airports and Law Enforcement also utilize a Grabba unit that contains the MRZ reader and RFID reader combined with the Grabba area imaging barcode scanner with driver's license enhancement to read, decrypt where necessary, and parse every driver's license in the US and Canada. Adding a fingerprint reader to the above combination provides a complete, mobile, handheld ID checking system that is now used in Border Protection and Law Enforcement in the US and several other countries.

The Grabba innovative and configurable design allows the user to select not only the MRZ reader, but also up to five other technologies to include in the one Grabba unit, so as to precisely and cost-effectively meet the needs of the use case.

Another advantage of the unique Grabba design is that it allows Grabba units to be simply upgraded to work with later model smartphones and to add other technologies without the need to purchase new Grabba units. This substantially reduces the Total Cost of Ownership of Grabba units.



From the top-left: Grabba Z-Series in use with Samsung Galaxy S5, Grabba S-Series in use with iPhone 6 and Grabba S-Series with Samsung Galaxy S5.

Our MRZ reader is available for:

Grabba S-Series

Grabba Z-Series



Tested To Comply
With FCC Standards
For Home or Office Use



N14052



MRZ READER SPECIFICATIONS

Performance Specifications

Standard OCR fonts	OCR-B, E13B
Machine Readable Passports (MRP)	2 lines of 44 characters
Machine Readable Visas (MRV)	2 lines of 44 characters
Travel documents	2 lines of 36 characters 3 lines of 30 characters
Field of view object height	19.6 mm nominal
ICAO Compliant	ICAO 9303
Standard	ISO/IEC 7501-1

Supported Software

Smartphone/PDA Operating Systems	Android, iOS, Windows Phone, BlackBerry 10
Development Environments	Android Studio, Eclipse, Xcode, Visual Studio.
Development SDK	SDK available through Free Membership in our Software Developer Program
Free Software available on every app store	Keyboard Wedge and Demo Program for all platforms and Grabba Browser for iOS

WHY CHOOSE GRABBA

Secure USB Connection

As the Grabba unit plugs into the USB port of the smartphone or tablet, all communication and data transfer are hard-wired and therefore more secure than wireless transmissions.

One solution, One charger.

The Grabba connection to the smartphone or tablet allows the Grabba charger to charge both the Grabba unit and the attached device at the same time. This single-charger convenience ensures that a completely charged solution is ready at the start of each work day.

Technical Support

The Grabba engineering and support teams are constantly developing and improving the Grabba solutions and are available, at no charge, to assist customers with any issues they may have.

Wide Compatibility

The unique Grabba design ensures that Grabba units are compatible with a wide variety of commercially available smartphones and tablets.

Upgradeable

The unique Grabba design allows a Grabba unit to be quickly and easily upgraded to attach to and work with later model smartphones or tablets and to add new technologies if required by changing use-cases. There is no need to purchase new Grabba units. This benefit greatly reduces the Total Cost of Ownership of Grabba units.

Instant Wakeup

No need to wait long time to run the solution or establishing the linkage. Pairing is not required. Just connect and start grabbing.

ABOUT GRABBA

Grabba is a world leader in the design, engineering and manufacture of data capture units that attach to and work with commercially available smartphones and tablets. Utilizing the Grabba patented USB communication methodology provides high accuracy, reliable and efficient mobile, handheld units.

Grabba unique designs, the ability to include multiple technologies in the one Grabba unit to exactly suit the requirements of the use-case, combined with the ease of upgrading new technologies or to later model smartphones or tablets, results in cost-effective solutions now and in the future.

Grabba units have been successfully utilized in almost every vertical market in more than 80 countries. Find out what Grabba can do for you.

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