



# Magnetic Stripe Technologies



## TYPES OF MAGNETIC STRIPE READERS YOU CAN HAVE IN YOUR GRABBA

### X020 – Magnetic Stripe Card Reader

#### Multi Track Reading

The advanced multitrack reading head incorporated in the Grabba Magnetic Stripe reader will read 1, 2 or 3 track cards even if they are old or badly damaged.

#### Superior Reading Performance

The Grabba Magnetic Stripe reader is extremely fast and reliable with a life expectancy of 1,000,000 passes.

#### Reads All Card Formats

Our Magnetic Stripe reader can read cards compliant with ISO7810, 7811, ANSI and AAMVA. Our technology even allows to read proprietary encoded format cards thanks to our Grabba SDK.



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

## ABOUT OUR MAGNETIC STRIPE TECHNOLOGY

Grabba Magnetic Stripe readers are used to read identification cards, transport cards, security cards, membership cards and stored payment cards. Common users are Retailers, Mobile Sales Forces, Membership and Loyalty Programs, Hospitality, Public Infraestructure, Health Insurance Companies and Payment Verifiers.

We have years of experience in the use and manufacture of Magnetic Stripe readers. We offer only the best Magnetic Stripe reading technologies to ensure that your customer cards are read quickly, easily and reliably.

The Grabba innovative and configurable design allows the user to select not only the Magnetic Stripe 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. Those other technologies include Barcode scanners, MRZ (passport) readers, Fingerprint readers, Contact Smartcard readers and RFID reader.

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.

Our Magnetic Stripe reader is available for:

Grabba S-Series

Grabba Q-Series

Grabba Z-Series



iOS

Windows Phone



Tested To Comply With FCC Standards For Home or Office Use



N14052



RoHS compliant



## MAGNETIC STRIPE READER SPECIFICATIONS

### Performance Specifications

Number of tracks	3
Compatibility with standards	ISO 7810, ISO 7811, ANSI, AAMVA
Proprietary encoded card reading	Available via SDK
Read speed (standard 75-210bpi data)	7 - 250 cm/Sec
Life expectancy	1,000,000 passes for dual track / 300,000 passes for single track
Operating temperature	-30° to +70° C (-22° to 158° F)
Storage temperature	-55° to +150° C (-67° to 302° F)
Bi-directional reading capability	Yes

### 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.

### Grabba Technologies available:



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