



# Magnetic Stripe Card Reader Series

Technical Specifications



## ↓ FEATURES OF TECHNOLOGY FOR THE GRABBA MAGNETIC STRIPE CARD READER

### Multi Track Reading – Read Tracks 1, 2 and 3

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

### Superior Reading Performance – 1,000,000 passes

The Grabba Magnetic Stripe Card Readers are extremely fast and reliable with a life expectancy of 1,000,000 passes.

### Reads All Card Formats – Complete flexibility

ISO standard card formats can be read by both the Grabba Keyboard wedge and also the Grabba SDK. The developer can also read proprietary encoded format cards with the Grabba SDK.

### Add Other Technologies – Combine or add technologies

You can combine Magnetic Stripe Card reading with other technologies such as Barcode, RFID, fingerprint and many others. These can be ordered like this or upgraded later to include other technologies.



From the top-left: Grabba S-Series with BlackBerry® Bold™ 9780 and Grabba S-Series in use with with BlackBerry® Bold™ 9780 and iPhone 4.

## → ABOUT GRABBA AND TECHNOLOGIES

Grabba is the world leader in enabling the use of Smartphones in the commercial environment by manufacturing Data Capture devices that attach to the Smartphone utilising our Patented USB communications.

We have years of experience in the use and manufacture of Magnetic Stripe Card Readers for smartphones. We offer only the best Magnetic Stripe Reading technologies to ensure that your customers card is read quickly, easily and reliably. The Grabba Magnetic Stripe Card readers open opportunities for developers in both the financial and non financial applications reading one, two and three track cards.

A large variety of combination readers are also available to allow you to include other reading technologies (e.g. Barcode, RFID, Smartcard, Signature Capture etc) with your Magnetic Stripe reader so the Grabba you purchase can exactly match all your needs both now and in the future.

### Common devices supported

- BlackBerry® Smartphones
- iPhones and iPod Touch
- Motorola ES400
- HTC Phones (Windows)
- Many more...

Grabba Magnetic Stripe readers are found in all vertical markets. It is common to see Grabba card readers used in retail, mobile sales forces, taking payments, membership systems, time and attendance and loyalty cards.



## MAGNETIC STRIPE CARD READERS SPECIFICATIONS

### General Specifications

Size	174 x 80 x 43mm (6.85 x 3.15 x 1.7")
Weight	140g Approx (4.9 oz)
Drop tests	Withstands multiple 2 Metre drops to concrete
Relative Humidity	5-95% (non-condensing)
Warranty	12 months from date of purchase (see warranty statement for details)
Battery type	Internal Rechargeable Lithium-Ion 3.7V
Capacity	800Mah
Charge Time	up to 5 hrs
Standards and Compliance	FCC-Part 15, CE, C-Tick (N14052), ROHS
Whats in the Box?	1 x Grabba Magnetic Stripe Card reader, 1 x International Power Adaptor, 1 x User Guide

Note: this is a guide, specs may vary due to final configuration



### Supported Software

Smartphone/PDA Operating Systems	BlackBerry, iPhone, Windows Mobile, Windows CE, PalmOS, Garnet, Linux
Development Environments	iOS, Java, Eclipse, .Net Compact Framework (VB.NET & C#.NET) and many others
Development SDK	SDK supplied upon Free membership for Developers into our Software Developer Program
Free Software available from Grabba	Grabba Browser application for iPhone/iPod. Keyboard Wedge application & Demo Program for other operating systems

Note: this is constantly changing, if it's not listed contact us

### Performance Specifications

Grabba Series	<b>X020</b>
Number of Tracks	3
Compatilby with Standards	ISO, ANSI, AAMVA
Proprietary Encoded Card Reading	Available via SDK only
Read Speed (standard 75-210bpi data)	7 - 250 cm/Sec
Life Expectancy	1,000,000 passes
Operating Temperature	-10° to +50° C (14° to 122° F)
Storage Temperature	-20° to +70° C (-4° to 158° F)
Bi-Directional Reading Capability	Yes

Note: this is a guide, performance may vary depending on conditions



## ABOUT CARD READING TECHNOLOGIES

Magnetic stripe cards are widely used around the world. A magnetic stripe card often incorporates other card technologies to supply supplementary data.

Some cards include barcodes printed on them whilst some are also contact smartcards (i.e. Pin and Chip). Contactless technologies such as **Visa® PayWave**, **MasterCard PayPass®** are also included on some magnetic stripe cards.

The standard Grabba Magnetic Stripe Card Readers will read the magnetic stripe data only however you can order combination Grabba devices that can read other card technologies as well.

Grabba Technologies available:



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