

UHF RFID Reader Series

Ultra High Frequency RFID Reader

Technical Specifications



From the top-left: Grabba S-Series in use with Samsung Galaxy S4, Grabba S-Series with Samsung Galaxy S5 and Grabba S-Series rear view.



FEATURES OF TECHNOLOGY FOR THE GRABBA UHF RFID READER

Worldwide RFID Protocol support

EPC Class 1 Gen 2 - ISO 18000-6C (Optional 18000-6D (IPx) and ISO 18000-6B)

The Grabba UHF reader is pre-configured for FCC (North America & South America) in the 902-928 MHz band and ETSI (EU and India) in the 865.6-867.6 MHz band. Subsets of these bands support operation in other regions, including Korea, Australia, and P.R. China.

Superior Reading Performance

High read rates for reading multiple tags at once. Max of 750 tags per second (using high performance settings).

Read and Write Capability

The UHF Grabba is able to read and write to UHF tags, labels and cards.

Common devices supported

- Samsung Galaxy S3/S4/S5
- iPhones and iPod Touch
- BlackBerry® Smartphones
- Many more... (coming soon)



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.

A number of combinations of identification technologies are also available to allow you to include other reading technologies (e.g. barcode, fingerprint, contact smartcard) with your UHF reader so the Grabba you purchase will exactly match your needs.

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



UHF RFID READER SPECIFICATIONS

General Specifications

Size	174 x 80 x 43mm (6.85 x3.15 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 UHF RFID 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	Android, iOS, Windows Phone, BlackBerry 10
Development Environments	Java, Eclipse, Xcode, Cordoba 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	x008
RFID Protocol	EPCglobal Gen 2 -ISO 18000-6C (Optional ISO 18000-6D (IPx) and ISO 18000-6B)
Frequencies	FCC(NA, SA) 902-928 MHz ETSI(EU, India) 865.6-867.6 MHz TRAI (India) 865-867 MHz KCC (Korea) 917-920.8MHz ACMA (Australia) 920-926MHz SRRC-MII (P.R. China) 920-925MHZ
Max read rate	750 tags per second
Average Read Range	30cm

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



I'M A SOFTWARE DEVELOPER

The Grabba will work out of the box using the keyboard wedge driver (available as a free download for BlackBerry and Android. For Apple, they must use the Grabba Browser). The keyboard wedge works by putting the captured data wherever the active field is.

For complete control within your application use the Grabba SDK. With the SDK you can control where the data goes and have control over the Grabba's operation. The SDK also allows you to fully utilise technologies that allow 2 way data transfer. Demonstration applications are included with the SDK. The FREE SDK is available to members of the Grabba Software Developers Program.

Unleash the full potential of your applications, join today at www.grabba.com/developers

Grabba Technologies available:



Corporate HQ Office
Movion Soluciones Tecnologicas,
S.L.
9 Jaen Street
Malaga, ES29004, Spain
Phone: +34 951 910 536
Email: info@movion.es

Latam Office
Comercial Xprog Ltda.
Av. Providencia 1945
Comuna Providencia
Santiago (Chile)
Phone: +56 2 23330573
Email: fblanco@xprog.cl

