



HID Reader Series

Technical Specifications



↓ FEATURES OF THIS TECHNOLOGY FOR THE GRABBA HID READER

Secure – Inbuilt Data Encryption

RF data encryption and mutual authentication using 64-bit keys for each application area.

Powerful – Versatile commands

Read and write securely to any application area on iCLASS® credentials using the Grabba SDK

Developer Friendly – Easy to implement SDK

Free SDKs for registered developers for popular Smartphones such as BlackBerry and iPhone

Add Other Technologies – Combine or add technologies

You can combine your reading of HID Cards and Tokens with other technologies such as Barcode, RFID, fingerprint and many others. These can be ordered initially with added technologies or upgraded later to include other technologies.



From the top-left: Grabba S-Series with HTC HD2, Grabba S-Series with BlackBerry® Bold™ 9900 and Grabba S-Series with iPhone 4. Coming soon the new Grabba device for tablets.

→ 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 HID iCLASS® and eProx® Readers for smartphones and PDAs.

The Grabba readers open opportunities for developers in expanding the use of the HID credentials to the mobile environment. Now you can check, confirm and/or write credentials using a Smartphone or PDA. Readers are available for the HID iCLASS® and eProx credentials.

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



Grabba is proud to be a member of the Genuine HID Technology™ program

Common devices supported

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

Grabba keyboard wedge is capable of reading HID iCLASS card serial numbers or HID Prox credentials when a HID capable Grabba is attached. Full HID iCLASS® secure authentication and data read & write functionality is available using Grabba SDKs.



HID READER SPECIFICATIONS

General Specifications

Size	132 x 70 x 30mm (5.19 x 2.75 x 1.18")
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 HID iCLASS® 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, Android (coming soon), 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	XXX3	XXX4
Supported Card Types ¹	iCLASS 15693/14443B CSN ISO14443A (MIFARE) CSN ISO14443A-4 (DESFire) read/write ISO14443B CSN ISO15693 CSN FeliCa® iDM & CEPAS CAN/CSN ² iCLASS 15693/14443B read/write 2k, 16k and 32k bit credentials ISO14443A MIFARE (sector) read/write 1K and 4K byte credentials ² US Government PIV ²	HID Prox credentials
Range	70 mm (2.75 inches)	70 mm (2.75 inches)
Transmit Frequency	13.56 MHz	125kHz
Storage Temperature	-20° to +70° C (-4° to 158° F)	-20° to +70° C (-4° to 158° F)

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

¹ specify card type required when ordering

² available by application

Grabba Models

Devices Series	iCLASS®	HID Prox
Palm/Treo	S-2003	S-2004
HP iPAQ	S-3003	S-3004
HTC	S-4003	S-4004
Motorola ES400	S-7003	S-7004
BlackBerry	S-8003	S-8004
iPhone/iPod	S-9003	S-9004



ABOUT GRABBA HID READING TECHNOLOGIES

Standard Grabba HID readers may also include other technologies, such as Fingerprint Reading or passport reading. This can be useful where a secondary means of identity confirmation is required.

Grabba Technologies available:



Corporate HQ Office

Grabba International
1/12 Selhurst Street
Coopers Plains QLD, 4108 Australia
Phone: +61 (7) 3344 6599
Fax: +61 (7) 3344 5076
Email: sales@grabba.com

North American Office

Grabba Inc.
536 E Birmingham Road,
Burbank, Los Angeles CA 91504
Phone: +1 818 729 8328
Fax: +1 818 729 1954
Email: sales_na@grabba.com

European Office

Grabba Ltd.
London
Email: sales_emea@grabba.com



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