



HID iClass SE® RFID Technologies



TYPES OF HID ICLASS SE READERS

YOU CAN HAVE IN YOUR GRABBA

X003 – SE HID Dual Frequency

Dual Technology– LF and HF

It can read and write to 125 KHz for Low Frequency and to 13,56 MHz for High Frequency tokens, cards and tags.

Secure – Inbuilt Data Encryption

RF data encryption and mutual authentication using 64-bit keys for each application area. Provides multi-layer security that extends beyond the card technology for additional protection to identity data. Our hardware is EAL5+ Certified Secure Element Hardware, which provides tamper-proof protection of keys/cryptographic operations.

Powerful – Versatile commands

Reads and writes securely to any application area on iCLASS-SE® credentials using the Grabba SDK. Allows straightforward migration by supporting low and high frequency credentials, including iCLASS Seos™, iCLASS SE®, standard iCLASS®, HID Prox, Indala Prox, MIFARE® Classic and MIFARE DESFire® EV1.

ABOUT OUR HID ICLASS SE TECHNOLOGY

Grabba HID iClass SE® Reader is available for both high and low frequency credentials including iCLASS Seos™, iCLASS SE®, standard iCLASS®, HID Prox, Indala Prox, FeliCa™ MIFARE® Classic and MIFARE DESFire® EV1. HID iClass SE® is commonly used on Membership Applications, Asset Tracking, Logistics, Healthcare, Pharmaceutical, Transport and Event Ticketing.

Grabba is a member of the genuine **Silver HID Physical Access Program**.

The Grabba innovative and configurable design allows the user to select not only the correct RFID 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 Magnetic Stripe readers.

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 S-Series in use with iPhone 6 Plus, Grabba S-Series with Samsung Galaxy S6 and back view of Grabba S-Series.



Our HID iClass SE® RFID is available for:

Grabba **S-Series**



iOS

Windows Phone



Tested To Comply With FCC Standards For Home or Office Use



N14052



HID iCLASS SE® RFID READER SPECIFICATIONS

Performance Specifications

	High Frequency (HF) RFID	Low Frequency (LF) RFID
Transmit frequency	13.56 MHz +/- 50 ppm	125 kHz +/-1 kHz
International standards	ISO14443A/B up to 848 kbits, ISO15693, CEPAS (CSN)	-
Supported credentials & IC's	MIFARE Classic®, MIFARE DESFire® 0.6, MIFARE DESFire® EV1, HID: iCLASS® Standard/SE/SR/Seos; PIV II, Secure Identity Object™ (SIO), Pico15693, Pico14443B	HID Prox, Indala Prox
Global certifications	UL Recognition (Recognized Component) to UL294 for the USA and CSA C22.2 No. 205 for Canada. CE, FCC 47 Part 15 modular approval, RoHS, WEEE	
Government approvals	FIPS 201 PIV II with inclusion on GSA APL	

Actual read range is very dependent on the actual token being read.

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:



Corporate HQ Office

Unit A, 163 Ingram Road,
Acacia Ridge, QLD, 4110
Australia
Phone: +61 7 3344 6599
Email: sales@grabba.com
www.grabba.com



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