Ultra High Frequency RFID Technologies

Types of UHF RFID Readers
You can have in your Grabba

X008 – Regulated Bandwith

Technology
Reads and writes at 860 MHz-960 MHz on tokens, cards and tags. It complies with EPC Class 1 Gen 2 and ISO18000-6C protocols.

Worldwide RFID Protocol Support
The Grabba Ultra High Frequency 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. Just let us know which country you need to work and we will adjust the reader for a perfect solution.

About Our UHF RFID Technology
Grabba Ultra High Frequency (UHF) RFID reader offers only the best technology available in the market to ensure the best performance. Ultra High Frequency (UHF) RFID is commonly used on Membership Applications, Asset Tracking, Logistics, Healthcare, Pharmaceutical, Transport, Warehousing or Event Ticketing.

On Retail, Ultra High Frequency (UHF) RFID technology is being widely used for small item tagging like clothes and accessories.

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.
**UHF RFID READER SPECIFICATIONS**

### Performance Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RFID Protocol</strong></td>
<td>EPC global Class 1 Gen 2 - ISO 18000-6C</td>
</tr>
<tr>
<td><strong>Frequencies</strong></td>
<td>FCC (NA, SA) 902-928 MHz</td>
</tr>
<tr>
<td></td>
<td>ETSI (EU, India) 865.6-867.6 MHz</td>
</tr>
<tr>
<td></td>
<td>TRAI (India) 865-867 MHz</td>
</tr>
<tr>
<td></td>
<td>KCC (Korea) 917-920.8MHz</td>
</tr>
<tr>
<td></td>
<td>ACMA (Australia) 920-926MHz</td>
</tr>
<tr>
<td></td>
<td>SRRC-MII (P.R. China) 920-925MHz</td>
</tr>
<tr>
<td><strong>Average read range</strong></td>
<td>30cm</td>
</tr>
</tbody>
</table>

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

### Supported Software

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smartphone/PDA Operating Systems</td>
<td>Android, iOS, Windows Phone, BlackBerry 10</td>
</tr>
<tr>
<td>Development Environments</td>
<td>Android Studio, Eclipse, Xcode, Visual Studio</td>
</tr>
<tr>
<td>Development SDK</td>
<td>SDK available through Free Membership in our Software Developer Program</td>
</tr>
<tr>
<td>Free Software available on every app store</td>
<td>Keyboard Wedge and Demo Program for all platforms and Grabba Browser for iOS</td>
</tr>
</tbody>
</table>

### 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:

---

Grabba is a registered trademark of Grabba International. All other trademarks are the property of their respective owners. For system, product or services availability and specific information within your country, please contact your local Grabba office or Business Partner. In a continuing effort to improve our products, Grabba reserves the right to change specifications and features without prior notice.

Copyright ©2016 Grabba International Pty Ltd
TS-UHF1608-1