



Barcode Technologies



TYPES OF BARCODE SCANNERS YOU CAN HAVE IN YOUR GRABBA

X100 – Laser Scanner*

This reader is a very fast and reliable general purpose reader. It will read most 1D barcodes in normal environmental and lighting conditions.

*Available soon.

X200 – CCD Barcode Scanner.

This reader is a good fast general purpose reader. It will read most 1D barcodes in normal lighting conditions.

X300 – Advanced Linear Scanner.

This is a high performance reader in all lighting conditions including direct sunlight. It is an extremely fast barcode scanner.

X400 – Area Imager Scanner.

This high performance 1D and 2D barcode reader works in all lighting conditions. With the X400 you can read virtually every 1D, 2D barcode and take a greyscale photo.

X500 – Area Imager Scanner with Drivers License support.

In addition to scanning 1D and 2D barcodes, this reader is specially designed to decrypt and parse North America and Canada driver's licence barcodes.

ABOUT OUR BARCODE TECHNOLOGY

Grabba Barcode scanners are found in all vertical markets. It is common to see Grabba X100, X200 and X300 readers used in Retail, Mobile Sales Forces, Asset Management, Healthcare, Education and Government. Where 2D barcode reading is common, then the X400 is typically used, whilst the X500 model is used more specifically where the driver's license barcode needs to be decrypted and parsed.

The Grabba innovative and configurable design allows the user to select not only the correct Barcode reader to suit your needs, 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 RFID reader, 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: Z-Series with Samsung Galaxy S7, Q-Series with iPhone 6 Plus, S-Series with Samsung Galaxy S6, S-Series with Samsung XCover3.

Our Barcode scanners are available for:

Grabba **S-Series**

Grabba **Q-Series**

Grabba **Z-Series**



iOS

Windows Phone



Tested To Comply With FCC Standards For Home or Office Use



N14052



BARCODE SCANNER SPECIFICATIONS

Performance Specifications

| | X100 | X200 | X300 | X400 | X500 |
|--|------------------------------------|-----------------------------------|------------------------------------|------------------------------------|----------------------------------|
| Technology | LASER | | IMAGER (CCD) | | |
| Ideal light conditions for scanning | Office/Warehouse | | All Lighting Conditions | | |
| Max read range (depends on code type and size) | 7-65cm (2.76-25.59") | 4.5 - 34cm (2.6 - 13.4") | 8 - 90cm (3.2 - 35.4") | 5 - 34cm (2 - 13.4") | 2.5 - 31cm (1 - 12.2") |
| Comparative read range (Code 39, 10ml) | 5-26cm (1.97-10.24") | 4 - 50cm (1.56 - 19.7") | 7 - 35cm (2.8 - 13.8") | 6 - 19.3cm (2.4 - 7.6") | 3 - 21cm (1.2 - 8.3") |
| Scans per minute | 397 | 267 | 322 | 300 | 286 |
| Operating temperature | -20° to +65° C (-4° to 149° F) | 0° to +50° C (-32° to 122° F) | -30° to +50° C (-22° to 122° F) | -10° to +50° C (-14° to 122° F) | 0° to +40° C (-32° to 104° F) |
| Storage temperature | -30° to +70° C (-22° to 158° F) | -20° to +70° C (-4° to 158° F) | -40° to +70° C (-40° to 158° F) | -20° to +70° C (-4° to 158° F) | |
| Max reading angle | 50° | 55° | 40° | 50° | 50° |
| Illumination | 650 nm Visible LED | 632nm Visible LED | 617nm Visible LED | 626nm Visible LED | 650nm Visible LED |

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

Common Symbolologies Supported

| | Linear 1D | 1D Stacked | PDF417 | 2D | Postal Code | OCR |
|------|--|---|---------------------------------------|---|--|-----------------------------|
| X100 | EAN8, EAN13, EAN128 Code, UPC-A, UPC-A with Extended Coupon Code, UPC-E, Codabar/NW7, Code32 (Italian Pharmacy), Code39, Code39 Full ASCII, Code93/93i, Interleaved 2of5, Industrial 2of5, Matrix 2of5, MSI, IATA 2of5, Telepen, ISBN, ISSN, ISMN, GS1 Databar (RSS) Omnidirectional/Limited/Truncated/Expanded, Trioptic, S-Code, ITF14, SISAC | - | - | - | China Postage, Korea Post | - |
| X200 | EAN8, EAN13, EAN128 Code, ISTB128, UPC-A, UPC-A with Extended Coupon Code, UPC-E, Codabar/NW7, Code11, Code32 (Italian Pharmacy), Code39, Code39 Full ASCII, Code93/93i, Interleaved 2of5, Industrial 2of5, Matrix 2of5, MSI, Telepen, ISBN, ISSN, ISMN, GS1 Databar (RSS) Omnidirectional/Limited/Truncated/Expanded, Trioptic, S-Code, ITF14, Posicode A and B, SISAC | GS1 DataBar Limited Composite, GS1-128 Composite, GS1 DataBar Omnidirectional & Stacked, GS1 DataBar Expanded & Stacked, GS1 DataBar Truncated Composite, EAN/UCC Composite, TLC39 / TCIF Linked | - | - | China Postage | - |
| X300 | EAN8, EAN13, EAN128 Code, UPC-A, UPC-A with Extended Coupon Code, UPC-E, Codabar/NW7, Code32 (Italian Pharmacy), Code39, Code39 Full ASCII, Code93/93i, Interleaved 2of5, Industrial 2of5, Matrix 2of5, Plessey, Telepen, ISBN, ISSN, ISMN, GS1 Databar (RSS) Omnidirectional/Limited/Truncated/Expanded, Trioptic, S-Code, ITF14 | GS1 DataBar Omnidirectional and Stacked, GS1 DataBar Expanded and Stacked, EAN/UCC Composite, TLC39 / TCIF Linked | PDF417, MicroPDF417, Truncated PDF147 | - | - | - |
| X400 | EAN8, EAN13, EAN128 Code, ISTB128, UPC-A, UPC-A with Extended Coupon Code, UPC-E, Codabar/NW7, Code11, Code32 (Italian Pharmacy), Code39, Code39 Full ASCII, Code93/93i, Interleaved 2of5, Industrial 2of5, Matrix 2of5, MSI, Plessey, Telepen, ISBN, ISSN, ISMN, GS1 Databar (RSS) Omnidirectional/Limited/Truncated/Expanded, Trioptic, S-Code, ITF14, Posicode A and B, SISAC | GS1 DataBar Limited Composite, GS1-128 Composite, GS1 DataBar Omnidirectional and Stacked, GS1 DataBar Expanded and Stacked, GS1 DataBar Truncated Composite, Codablock A and F, Code 16K, EAN/UCC Composite Codes, TCIF Linked/TLC39 | PDF417, MicroPDF417, Truncated PDF147 | MaxiCode, Aztec Code, Data Matrix Squared, DataMatrix Rectangular, QR, Micro QR | China Postage, Australian Post, British Post, Canadian Post, Japanese Post, Kix Post, Korea Post, Postnet, Planet Code | - |
| X500 | EAN8, EAN13, EAN128 Code, ISTB128, UPC-A, UPC-A with Extended Coupon Code, UPC-E, Codabar/NW7, Code32 (Italian Pharmacy), Code39, Code39 Full ASCII, Code93/93i, Interleaved 2of5, ISBN, ISSN, ISMN, GS1 Databar (RSS) Omnidirectional/Truncated, Trioptic, S-Code, ITF14, SISAC | EAN/UCC Composite Codes, GS1 DataBar Omnidirectional and Stacked, GS1 DataBar Expanded and Stacked, GS1 DataBar Truncated Composite, TCIF Linked/TLC39 | PDF417, MicroPDF417, Truncated PDF147 | QR Code, Micro QR Code, Data Matrix, Aztec Code, Maxicode | - | OCR-A*, OCR-B*, E-13B MICR* |

* Enable by purchasing decoding license

Supported Software

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| 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 |

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.

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