Barcode Technologies

TYPES OF BARCODE SCANNERS

YOU CAN HAVE IN YOUR GRABBA

X100 – ***Laser Scanner****

This reader is a very fast and relieable general purpose reader. It will read most 1D barcodes in normal enviromental 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.

From the top left: Z-Series with with Samsung Galaxy S7, Q-Series with iPhone 6 Plus, S-Series with Samsng Galaxy S6, S-Series with Samsung XCover3.

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.

Our Barcode scanners are available for:

Grabba **S-Series**

Grabba **Q- Series**

Grabba **Z-Series**

android iOS

Windows Phone

Tested To Comply With FCC Standards For Home or Office Use

N14052

RoHS compliant

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, 10mil)	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 Symbologies 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, 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

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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