

## MX-1502 VISION-ENABLED MOBILE TERMINAL

The MX-1502 vision-enabled mobile terminal leverages the latest mobile devices for your industrial barcode reading applications. It reads codes from as near as 15–30 cm to as far as 15 meters away, making it ideal for manufacturing and logistics applications such as scanning barcodes on pallets on high shelves or on slips hanging from the warehouse ceiling.

The MX-1502 is equipped with modular optics and lighting (cross polarized and co-linear polarized LEDs and a high-powered lens with liquid lens technology) which provide optimal image formation of any code. Sophisticated barcode reading algorithms quickly acquire and decode a wide range of 1D, 2D and challenging DPM codes on round, reflective or specular surfaces.



### > RUGGED

The design of the MX-1502 makes any supported mobile device ready to meet the challenges of the most demanding environments. The IP65-rated housing withstands the harshest environments and the inductive wireless charging eliminates exposed electrical contacts that can wear out or fail.



### > MODULAR

The MX platform accepts a variety of Android® and iOS® smartphones. If your device needs to be repaired or upgraded, simply exchange the top cover kit to adapt the MX-1502 to any supported mobile device. The modular design means your investment is protected and you are always ready for the latest technology.



### > SMART

MX-1502 mobile terminals are equipped with barcode reading algorithms that read 1D and 2D label-based codes and challenging 2D DPM codes at various ranges. It leverages the latest communication technologies supported by your mobile device including 3G, 4G, 4G LTE Wi-Fi, Bluetooth and more.



## Models

The MX-1502 is available in a few model variants depending on the scan range or application.

### MX-1502 LR

Decodes dense or small codes on high shelves (long range).

### MX-1502 ER

Scans codes on very high shelves, from up to 10 meters away (extended range).

### MX-1502 XR

Reads codes from up to 15 meters away, such as on hanging signs or ceilings.

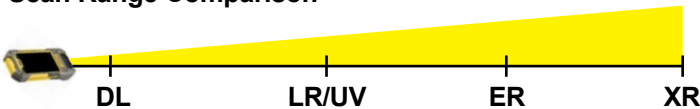
### MX-1502 DL

Delivers powerful barcode reading performance for tough DPM codes on flat, highly reflective surfaces; ideal for automotive, aerospace, and medical device industry applications.

### MX-1502 UV

Uses an ultraviolet lighting module and lens filter to illuminate invisible codes, typically found in pharmaceutical and high-end product industries.

### MX-1502 Model Variant Scan Range Comparison



## SPECIFICATIONS

Dimensions	208.6 mm x 88.9 mm x 42.1 mm (8.21 in x 3.5 in x 1.66 in)
Weight	510 g (675 g with pistol grip)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Maximum Humidity	95% (non-condensing)
Material	Polycarbonate housing with overmold
Imager	1.2 MP global shutter sensor
Aiming	Green LED, Red laser (model dependent)
Status Outputs	LED, beeper and vibration
Communications	Scan engine communicates to mobile device through USB/Lightning port. Mobile device communicates via Wi-Fi, Bluetooth, Cellular and others based on model.
Supported Devices	Samsung® Galaxy® S6, S7, S8, S9, S10e, and J3 (J320, J327, J330, J337), Apple® iPhone® 5/5S, SE (2020), 6/6S, 7, 8, 11 Pro, X/XS, and iPod® 6th and 7th Generations
Symbologies	1D: UPC/EAN/JAN, Codabar, Interleaved 2 of 5, Code 39, Code 128, Code 93, Pharmacode, GS1 DataBar, PDF417, Micro PDF417 2D: DataMatrix, QR Code, MicroQR Code, DotCode, and postal code
Lighting	Integrated LED illumination
Base Station Power Supply Requirements	24 V, 13 W maximum LPS or NEC Class 2 power supply
Battery (brick style)	3.7 V, 3070 mAh Li-Polymer
Battery (pistol grip)	3.7 V, 3100 mAh Li-Ion
Environmental	Compliant with RoHS directive 2011/65/EU
Regulatory Electrical EMI/RFI	CB Scheme: IEC 60950-1, FCC 47 CFR Part 15 Subpart B, ICES-003, CE, KCC
Data Validation	US DoD UID Guidelines, GS-1, ISO15434 and ISO15418
Trigger	Left- and right-handed buttons, pistol grip or touch screen software

# COGNEX

Companies around the world rely on Cognex vision and barcode reading solutions to optimize quality, drive down costs and control traceability.

Corporate Headquarters One Vision Drive Natick, MA 01760 USA

### Regional Sales Offices

#### Americas

North America +1 844-999-2469  
Brazil +55 (11) 2626 7301  
Mexico +800 733 4116

#### Europe

Austria +49 721 958 8052  
Belgium +32 289 370 75  
France +33 1 7654 9318  
Germany +49 721 958 8052

Hungary +36 800 80291  
Ireland +44 121 29 65 163  
Italy +39 02 3057 8196  
Netherlands +31 207 941 398  
Poland +48 717 121 086  
Spain +34 93 299 28 14  
Sweden +46 21 14 55 88  
Switzerland +41 445 788 877  
Turkey +90 216 900 1696  
United Kingdom +44 121 29 65 163

#### Asia

China +86 21 6208 1133  
India +9120 4014 7840  
Japan +81 3 5977 5400  
Korea +82 2 530 9047  
Malaysia +6019 916 5532  
Singapore +65 632 55 700  
Taiwan +886 3 578 0060  
Thailand +66 88 7978924  
Vietnam +84 2444 583358

© Copyright 2020, Cognex Corporation. All information in this document is subject to change without notice. All Rights Reserved. Cognex is a registered trademark of Cognex Corporation. All other trademarks are the property of their respective owners. Lit. No. MX-1502DS-09-2020-EN

[www.cognex.com](http://www.cognex.com)