COGNEX

MX-1502 UV VISION-ENABLED MOBILE TERMINAL

Many industries are using an invisible or “covert” marking for component traceability and quality control. Ultraviolet (UV) codes are printed using UV-based ink and is only visible to the human eye when a UV light source is present. A small UV code that contains QA results or a serial number can be printed on products without affecting the aesthetics of the design. Whether they are on automotive warning labels needed for a recall, pharmaceuticals tracked through the supply chain, or high-end salon products checked for authenticity, UV codes are emerging as a popular new tool in tracking and traceability.

The MX-1502 UV vision-enabled mobile terminal leverages the latest mobile devices for your industrial barcode reading applications. Using a UV lighting module and lens filter, the MX-1502 UV illuminates invisible codes and quickly decodes them using Cognex’s high performance decoding algorithms.

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 UV is equipeed with barcode reading algorithms that read 1D and 2D label-based or directly marked codes printed with UV ink. It leverages the latest communication technologies supported by your mobile device including 3G, 4G, 4G LTE Wi-Fi, Bluetooth and more.

Accessories

The MX-1502 has a selection of available accessories for charging and handling.

Belt Holster
Attaches comfortably and easily to any size belt and is made of industrial-grade materials to withstand heavy daily use.

Pistol Grip Handle
Offers an alternative configuration for comfortable “point and shoot” barcode reading. The handle contains a secondary battery that doubles the MX-1502 power capacity.

USB Type C Battery Cover
Allows you to charge your MX-1502 with a USB-C cable when you are away from the wireless charging station or in your vehicle.

Hand Strap
Snaps onto the back panel providing comfortable and secure access while keeping hands free. Can be configured for right- or left-handed operation.

Wireless Charging Station
Eliminates charge failures from poor connections ensuring a full charge. The spare battery can be fully charged in less than 4 hours.

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® S4, S5, S6, S7, S8, S9, J3, and A3, Apple® iPhone® SE, 5/5S, 6/6S, 7, 8, and iPod® 5th + 6th Generation
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 UV LED illumination (365 nm)
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.

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