MOBILE SOLUTIONS
DO MORE WITH YOUR MOBILE DEVICE

COGNEX

THE GLOBAL LEADER
IN MACHINE VISION AND INDUSTRIAL BARCODE READING

Cognex,® the leading supplier of machine vision and industrial barcode reading solutions.

With over 3 million systems installed in facilities around the world and over forty years of experience, Cognex is focused on industrial machine vision and image-based barcode reading technology. Deployed by the world's top manufacturers, suppliers and machine builders, Cognex products ensure that manufactured items meet the stringent quality requirements of each industry.

Cognex solutions help customers improve manufacturing quality and performance by eliminating defects, verifying assembly and tracking information at every stage of the production process. Smarter automation using Cognex vision and barcode reading systems means fewer production errors, which equates to lower manufacturing costs and higher customer satisfaction. With the widest range of solutions and largest network of global vision experts, Cognex is the best choice to help you **Build Your Vision.™**
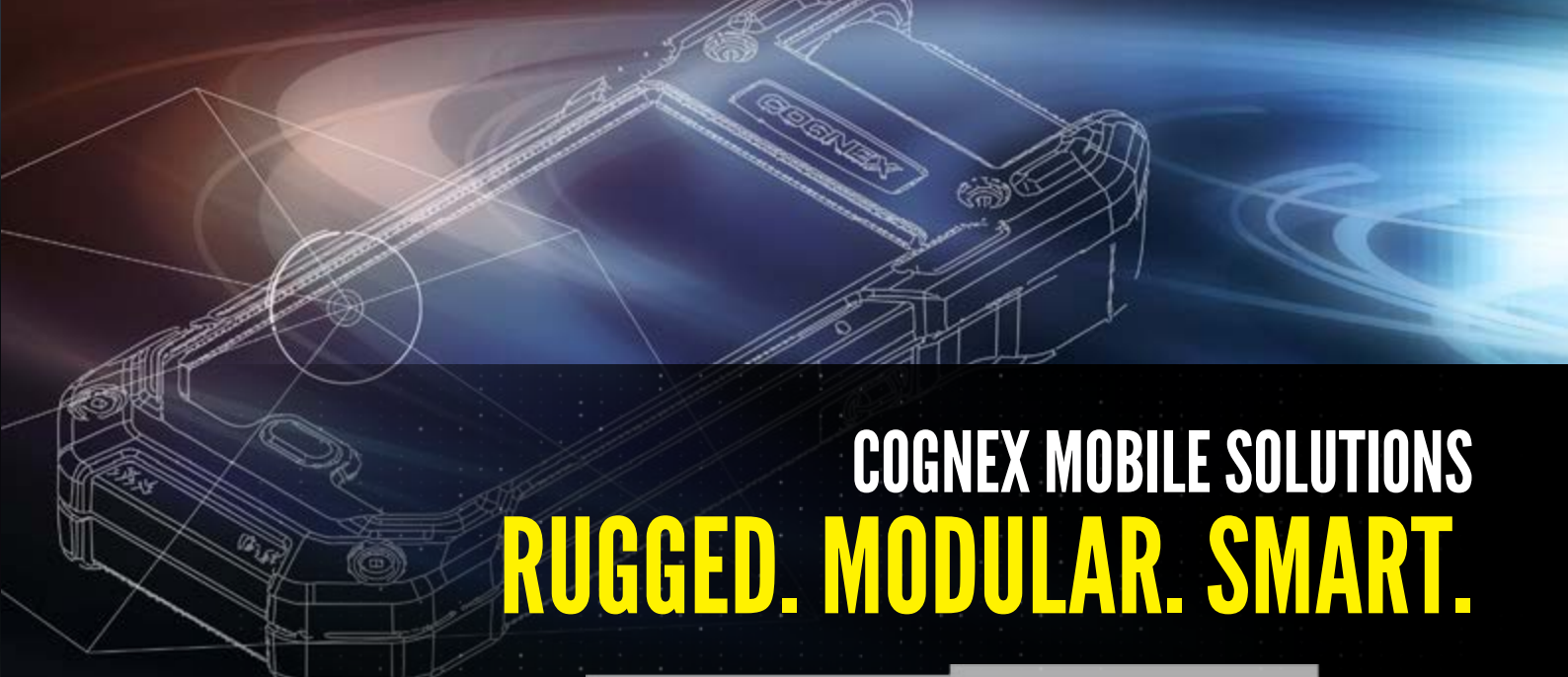
$811 MILLION
2020 REVENUE

OVER 40
YEARS IN THE BUSINESS

500+
CHANNEL PARTNERS

GLOBAL OFFICES IN
20+ COUNTRIES

3,000,000+
SYSTEMS SHIPPED

COGNEX MOBILE SOLUTIONS
RUGGED. MODULAR. SMART.

Logistics and manufacturing operations rely on barcode reading to track, trace, and sort items to improve workflow processes at every stage. Mobile barcode reading solutions within the same organization often use different platforms on separate devices, resulting in multiple vendors, steep learning curves, and technology that quickly becomes obsolete.

Cognex offers the only end-to-end family of mobile scanning solutions, achieving best-in-class 1D, 2D, and direct part mark (DPM) barcode reading performance. Using the Cognex Mobile Barcode Software Development Kit (SDK) as the single application across your entire enterprise, choose from a vision-enabled mobile terminal, mobile barcode reader, or a built-in smartphone or tablet camera to solve your barcode reading challenges.

INDUSTRIES

Cognex supplies mobile solutions to many industries, including:

- Logistics and Transportation
- Field Service and Utilities
- Couriers and Parcel Delivery
- Airports
- Automotive and Manufacturing
- Food and Beverage
- Consumer Products

MX-1502 Series

MX-1000 Series

Cognex Mobile Barcode SDK
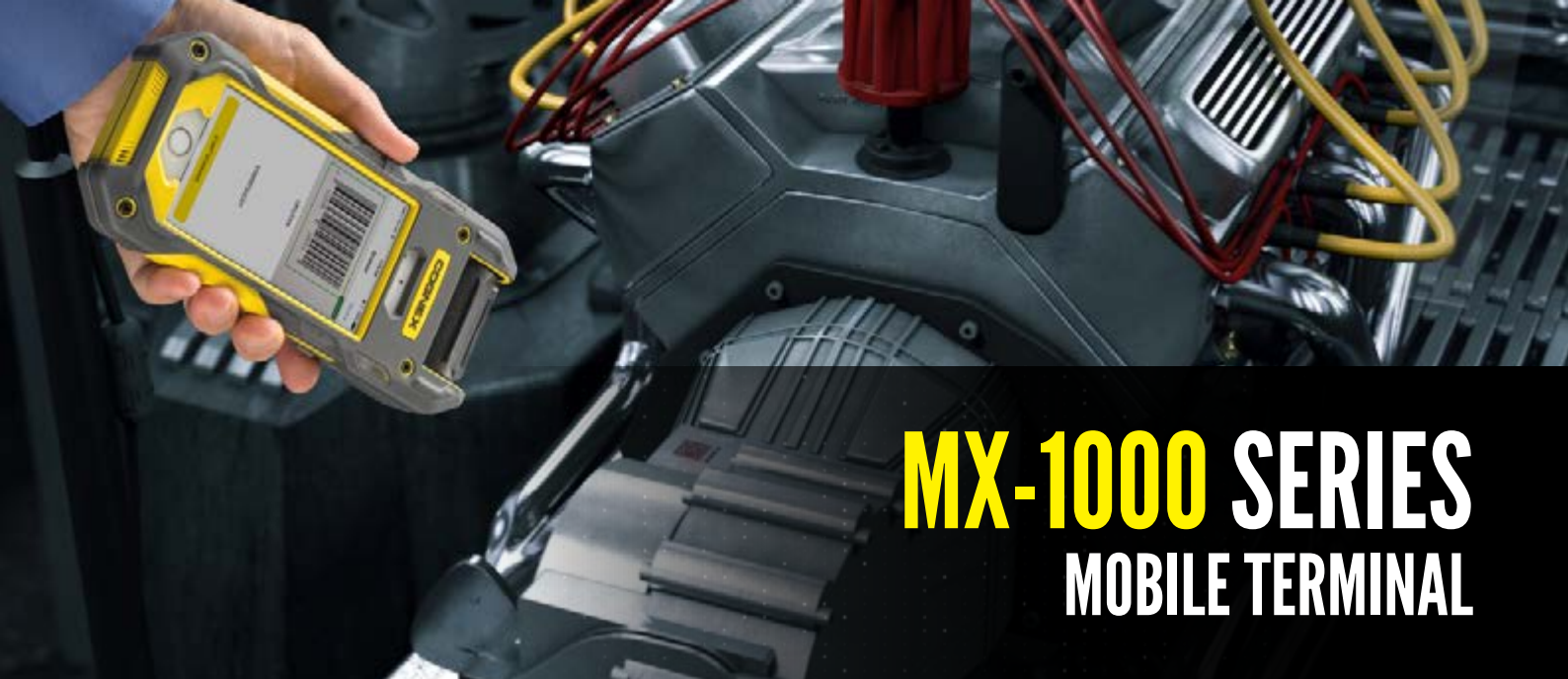
MX-1502 SERIES
MOBILE TERMINAL

MX-1502 reads codes at standard, long, and extended-ranges, up to 10 meters away.

Rugged, IP-65 rated housing is designed to handle the harshest environments withstanding up to 50 drops from 2 meters onto concrete

Modular, future-proof design supports a variety of iOS® devices, lighting and optics, and a pistol grip accessory

Smart algorithms as well as high-powered optical technology read codes from as near as 15 cm to as far away as 10 m

Cognex Mobile Barcode SDK enables seamless integration with customer applications

MX-1000 SERIES
MOBILE TERMINAL

MX-1000 combines fast, image-based barcode reading with your mobile device for standard range 1D and 2D code reading applications.

Rugged, IP-65 rated housing is designed to handle heavy, industrial use and up to 50 drops from 2 meters onto concrete

Smart barcode algorithms reliably read direct part mark (DPM) codes and 1D and 2D label-based codes. Rotating scan head adjusts to optimal ergonomic scan angles.

Modular design supports a variety of iOS smartphones and accessories

Cognex Mobile Barcode SDK enables seamless integration with customer applications

COGNEX MOBILE BARCODE
SOFTWARE DEVELOPMENT KIT (SDK)

The Cognex Mobile Barcode SDK is a comprehensive software tool for all facets of mobile barcode scanning. It enables you to be more efficient by tailoring and maintaining a single application for all mobile devices across your entire organization.

The SDK can be used with any supported device, including:

- Smartphone and tablet cameras
- MX-1000 and MX-1502 Series mobile terminals (license included)

Tradeshow Tracking

Inventory Management

VIN Barcode Scanning

Visit cognex.com/mobile-barcode-sdk 6

LOGISTICS & TRANSPORTATION
MOBILE SOLUTIONS APPLICATIONS

Close-up and extended range scanning capabilities are ideal for reading barcodes on packages, field service equipment, shipping labels, and luggage.

Extended Range Scanning

Field Service Maintenance

Courier Delivery

Airport Baggage Handling

MANUFACTURING
MOBILE SOLUTIONS APPLICATIONS

Cognex mobile solutions provide flexible options for scanning codes in factory settings and reading direct part mark (DPM) codes found on a variety of automotive parts and manufacturing assembly lines.
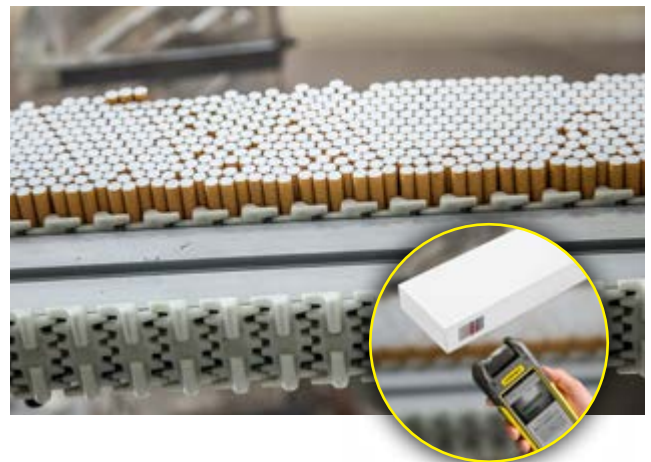
DPM Decoding

Heavy Manufacturing

Food Allergen Management
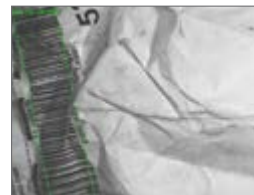

Traceability and Compliance

COGNEX DELIVERS
ADVANCED TECHNOLOGY

Advanced Algorithms and Patented Technologies

Cognex mobile solutions are optimized with patented algorithms.

1DMax with Hotbars, the best-in-class 1D barcode algorithm can handle extreme variations in contrast, blur, damage, resolution, quiet zone violations, and perspective distortion, and can decode up to 10x the speed of a typical image-based reader.

2DMax with PowerGrid, a breakthrough in 2D decoding software, handles degradations to the appearance of 2D matrix codes, even when vital elements of the code are missing or damaged.

Warped

Poorly marked

Small modules

Scratched

Supported Devices

Cognex's commitment to innovation helps protect your smartphone and technology investments. The modular design of Cognex mobile products supports a number of existing and future iOS devices, leveraging the latest communication technologies including 3G, 4G, 4G LTE, Wi-Fi, Bluetooth and more.

- iPod Touch 5th, 6th, and 7th Gen.
- iPhone 5/5s
- iPhone 6/6s
- iPhone 7/7 Plus

- iPhone 8/8 Plus
- iPhone X/XS
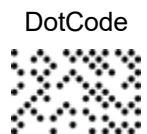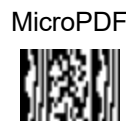- iPhone 11 Pro
- iPhone SE (2020)

SUPPORTED SYMBOLOGIES

Cognex mobile solutions support a broad range of barcode symbologies.

1D Codes

UPC/EAN/JAN	Codabar	Code 11	Code 25	Code 39
0 12345 67890 1	A123456789B	0123452	1 2 3 4 5	CODE39

Code 93	Code 128	GS1 DataBar	Interleaved 2 of 5	MSI Plessey	Pharmacode
CODE93	CODE128	(01) 00075678164125	0123456789	0123456789	123456

2D Codes

Data Matrix	QR	Micro QR	PDF417	MicroPDF	Aztec Code	DotCode

Postal Codes

POSTNET

Intelligent Mail Barcode

PLANET, Australian Post, Japan Post, Royal Mail, UPU

Not all symbologies are available on every device supported by the SDK.

MOBILE SOLUTIONS INDUSTRIES

Logistics & Transportation

Close-up and extended range barcode reading capabilities are ideal for reading barcodes on products, packages, shipping labels, and high shelves.

Couriers & Parcel Delivery

Unique modular designs allow employees and contractors to use preferred devices in the field for accurate barcode scanning of packages and parcels.

Automotive & Heavy Manufacturing

Read direct part mark (DPM) codes found on a variety of automotive parts and manufacturing assembly lines.

Field Services & Utilities

Easily integrate scanning capabilities with existing mobile phones to read 1D and 2D codes on work orders, replacement parts, and equipment.

Airports

Standard and extended range scanning enables above and below-the-wing solutions for airports, including bag tag reading and tracking.

Food & Beverage/Consumer Products

Mobile scanning products aid food allergen management, traceability and compliance, inventory tracking, and product quality.

COGNEX

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

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