

DATAMAN 8050 SERIES BARCODE READERS

High speed 1D/2D handheld barcode reader

DataMan® 8050 barcode readers bring Cognex's patented algorithms to a new, lightweight industrial handheld platform. DataMan 8050 reads 1D and 2D barcodes with incredible speed every time even if damaged, smudged, scuffed or poorly marked.

Modular design easily adapts to meet your needs

Field interchangeable communication modules allow one reader to be configured to meet specific communication needs to support corded RS-232, USB, and Ethernet options, as well as cordless options including Bluetooth and Wi-Fi.

Rugged industrial design

The DataMan 8050 barcode reader is constructed to handle the harshest environments. Other industrial features include: lanyard hook for easy retractor mounting, bright centralized aimer for clear targeting, loud beeper, and indicator lights.



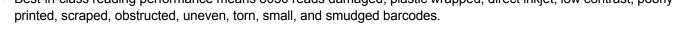
Proven performance

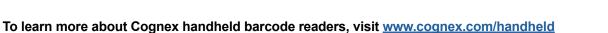
The DataMan 8050 readers are ideal for applications in any manufacturing environment that require robust barcode technology and reliable reading performance:

- Automotive body and assembly
- Electronics manufacturing
- Incoming inspection
- Shipping
- Automotive kitting
- Aerospace
- Packaging
- Receiving

High speed 1D/2D reading performance

- Cognex's patented algorithms, 1DMax® with Hotbars,® enables the DataMan 8050 barcode reader to decode the most challenging 1D barcodes quickly and easily, at more angles and in any orientation.
- Class-leading 2D algorithms read many 2D symbologies even when damaged, obstructed or with perspective distortion. Supported 2D symbologies include: Data Matrix, QR, PDF417, MaxiCode, and Aztec.
- Best-in-class reading performance means 8050 reads damaged, plastic wrapped, direct inkjet, low contrast, poorly printed, scraped, obstructed, uneven, torn, small, and smudged barcodes.









- Intuitive quick setup allows the user to configure the communication and data formatting settings for many common applications.
- Custom setup sheets can be printed out from within setup tool.
- DataMan setup tool software enables image viewing, complete suite of tools, Java scripting, PERL scripting and a variety of advanced data formatting options.







ESD-Safe Handheld Barcode Readers

DataMan corded ESD-safe handheld barcode readers are designed with electrostatic discharge (ESD) protective housing to prevent costly damage to electronic parts and devices.



SCAN CHART	
Туре	Depth of Field
7 mil 2D Code	Up to 40 mm
10 mil 2D Code	Up to 80 mm
Code39 6 mil	Up to 90 mm

DAIAMAN	8050 SER	RIES SPECIFICATIONS
Dimensions	nensions 210 mm x 115 mm x 85 mm	
Weight		Corded: 0.615 lbs./279 g; Wireless: 0.728 lbs./330 g
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		752 x 480 global shutter sensor
Aiming		Centralized green LED aimer
Status Outputs		LED and beeper
Communications		Serial module: RS-232, USB Ethernet module (DataMan 8050E): TCP/IP, FTP, industrial protocols: Ethernet/IP, PROFINET, MC Protocol, ModBus TCP Intelligent base station: RS-232, USB, Ethernet, industrial protocols (optional) Bluetooth module communicates to intelligent base station Wi-Fi module communicates to intelligent Wi-Fi base station
Symbologies		1D: UPC/EAN/JAN; Codabar, Interleaved 2 of 5, Code 39, Code 128, Code 93, GS1 Databar, PDF417, Micro PDF417, Postal Code 2D: Data Matrix, QR, MicroQR, Aztec, MaxiCode
Lighting		Integrated LED with near/far optics
Power Supply Requirements		5 V–6 V DC, 2.5 W LPS or NEC Class 2 power supply Intelligent base station: 24 V DC
Protection		IP-65
Environmental		Compliant with RoHS directive 2002/98/EEC
Regulatory	Electrical	CE, CSA, UL, 60950
	EMI/RFI	FCC Part 15, CE (EMC and R&TTE Directives), ICES-003, RSS-210 Issue 8, KCC
ESD Standard Compliance	ls	IEC 61340-5-1:2016 for select models only
Data Validation		US DoD UID guidelines, GS-1, ISO15434 and ISO15418
Operating System		Microsoft® Windows® XP, Windows 7 and Windows 8

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 Brazil Mexico

+1 844-999-2469 +55 (11) 2626 7301 +01 800 733 4116

Europe

Germany

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

+49 721 958 8052

Hungary Ireland Italy Netherlands Poland Spain Sweden Switzerland Turkey United Kingdom

Asia China +86 21 6208 1133 +9120 4014 7840 India +81 3 5977 5400 Japan +82 2 539 9980 Korea Malaysia +6019 916 5532 Singapore +65 632 55 700 +886 3 578 0060 Taiwan Thailand +66 88 7978924 +84 2444 583358 Vietnam

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