

➤ Advanced DPM/2-D/1-D Handheld Barcode Reader

DataMan® 8050X barcode readers are equipped with world-class Cognex® barcode reading algorithms and designed to decode 2-D direct part mark codes and difficult to read 1-D and 2-D label-based codes quickly and easily.

➤ Modular Design Easily Adapts to Meet Your Needs

Equipped with field interchangeable communication modules, one reader can be configured to meet specific communication needs. The DataMan 8050X is available with both corded and wireless modules.

➤ Rugged Industrial Design

The DataMan 8050X 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 that deliver operator feedback.

DataMan 8050X readers are engineered with advanced 2-D and 1-D algorithms. These rugged, industrial readers decode 2-D direct part marks (DPM), such as dot peen and laser marked codes, as well as challenging 1-D and 2-D barcodes quickly and easily.

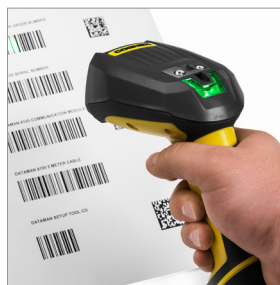


DataMan 8050X readers are equipped with world-class Cognex barcode reading algorithms and designed to withstand industrial factory floor conditions. The best-in-class algorithms decode even the most challenging 1-D barcodes quickly and easily. The DataMan 8050X's flexible modular design ensures the readers are ready to meet ever-changing communication needs.

Proven Performance

DataMan 8050X readers are ideal for applications in any manufacturing environment that requires robust DPM, 2-D, and 1-D barcode reading technology.

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



High Speed DPM, 2-D and 1-D Reading Performance

- 2DMax® algorithms provide robust 2-D DPM decoding, on a variety of DPM codes such as dot peen, laser marked, and low contrast at a variety of angles.
- Supported 2-D symbologies include: DataMatrix, QR, PDF417, MaxiCode and Aztec.
- Patented 1DMax®+ with Hotbars® algorithms enable the DataMan 8050X barcode readers to decode the most challenging 1-D barcodes quickly and easily, at more angles and in any orientation.
- Industry-leading reading performance means DataMan 8050X readers decode: damaged, plastic wrapped, direct inkjet, low contrast, poorly printed, torn, and small barcodes.

Cognex DataMan 8000 readers set the new performance standard when it comes to industrial barcode reading. These industry-leading readers introduced several firsts to industrial handheld scanner capabilities. To learn more about the DataMan 8050 and 8600 handheld ID readers, visit www.cognex.com/dataman.

Flexible and Easy Integration

- Intuitive Quick Setup Sheets: allow 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: view images, complete suite of tools, Java Scripting, PERL Scripting and a variety of advanced data formatting options.



Specifications

Dimensions	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: 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
Symbologies	1-D: UPC/EAN/JAN; Codabar, Interleaved 2 of 5, Code 39, Code 128, Code 93, GS1 Databar, PDF417, Micro PDF417 2-D: Data Matrix, QR, MicroQR, Aztec, MaxiCode, DotCode
Lighting	Integrated LED with near/far optics
Power Supply Requirements	DataMan 8050X with Serial/USB: 5V-6V DC, 2.5W maximum LPS or NEC Class 2 power supply DataMan 8050X with Ethernet: PoE Class 2 power supply DataMan 8050X with Bluetooth: 3.7V, 3100mAh Li-ion battery DataMan Intelligent Base Station: 24V, 13W maximum LPS or NEC Class 2 power supply
Environmental	Compliant with RoHS directive 2002/98/EEC
Regulatory	Electrical CE, CSA, UL, 60950
	EMI/RF FCC Part 15, CE (EMC and R&TTE Directives), ICES-003, RSS-210 Issue 8, KCC
Data Validation	US DoD UID Guidelines, GS-1, ISO15434 and ISO15418
Operating System	Microsoft® Windows® XP, Windows 7 and Windows 8

Scan Chart

Type	Depth of Field
7 mil 2-D Code	Up to 40 mm
10 mil 2-D Code	Up to 80 mm
Code39 6 mil	Up to 90 mm

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

Corporate Headquarters One Vision Drive Natick, MA 01760 USA Tel: +1 508 650 3000 Fax: +1 508 650 3344

Americas

United States, East	+1 508 650 3000
United States, West	+1 650 969 8412
United States, South	+1 615 844 6158
United States, Detroit	+1 248 668 5100
United States, Chicago	+1 630 649 6300
Canada	+1 905 634 2726
Mexico	+52 81 5030 7258
Central America	+52 81 5030 7258
South America	+1 909 247 0445
Brazil	+55 47 8804 0140

Europe

Austria	+43 1 23060 3430
Belgium	+32 2 8080 692
France	+33 1 4777 1550
Germany	+49 721 6639 0
Hungary	+36 1 501 0650
Ireland	+353 1 825 4420
Italy	+39 02 6747 1200
Netherlands	+31 208 080 377
Poland	+48 71 776 0752
Spain	+34 93 445 67 78
Sweden	+46 21 14 55 88

Switzerland	+41 71 313 06 05
Turkey	+90 212 306 3120
United Kingdom	+44 1327 856 040
Asia	
China	+86 21 5050 9922
India	+9120 4014 7840
Japan	+81 3 5977 5400
Korea	+82 2 539 9047
Singapore	+65 632 55 700
Taiwan	+886 3 578 0060

www.cognex.com