

**Author:** Eric Andersen

**Title:** Product Marketing Manager

**Tel:** 001 (508) 650-4106

**Email:** eric.andersen@cognex.com

**Bulletin #:** ID080714

**To:**  Sales  ASPs  PSIs

**Region:**  Americas  Europe  Asia  Japan

**Distribution Date:** September 3, 2014

**Category:** ID Products

**Bulletin Type:** Product Announcement

## DataMan 8600 Handheld ID Readers



### Confidential Information

#### Summary

Cognex® ID Products is pleased to announce the DataMan® 8600 Handheld ID Reader, the next evolution in the DataMan 8000 Series family. The DataMan 8600 is the most capable direct part mark (DPM) industrial barcode reader and now faster and easier to use with a larger depth of field than the previous DataMan 8500. The DataMan 8600 features best-in-class Cognex 2DMax®+ algorithms, 1DMax+ with Hotbars® and patented UltraLight® technology.

The DataMan 8600 features an improved UltraLight which allows the reader to use a wide range of lighting types to illuminate codes on the most challenging surfaces. The improved UltraLight creates bright field, dark field and diffuse lighting conditions and is combined with a liquid lens and a high speed global shutter sensor to make the most advanced handheld image formation system.

The DataMan 8600 also features a modular communication design and is available with field-exchangeable corded and wireless communication modules. Corded options include Ethernet with Industrial Protocols, RS-232 and USB. Wireless models support Bluetooth paired with the new Intelligent Base Station. Any reader is field upgradeable and can use any of the communication modules available.

#### TOP 3 DELTAS

1. Best Reading Performance - Comprehensive 2-D DPM and label-based reading enabled by 2DMax+ and 1DMax+ with Hotbars
2. Best Image Formation – Patented UltraLight, liquid lens and high speed global shutter sensor
3. Modular Communication – Interchangeable communication modules featuring Ethernet with Industrial Protocols

## Product Details

Cognex ID Products is pleased to announce the DataMan 8600 Handheld ID Reader, the next evolution in the DataMan 8000 Series family. The DataMan 8600 is the most capable direct part mark (DPM) industrial barcode reader. The DataMan 8600 can read the most challenging direct part marked barcodes and is now faster and easier to use with a larger depth of field than the previous DataMan 8500. The DataMan 8600 features best-in-class Cognex algorithms, 2DMax+ and 1DMax+ with Hotbars, and patented UltraLight technology making the DataMan 8600 capable of quickly reading virtually any 1-D, 2-D, and DPM barcode.

The DataMan 8600 features an improved UltraLight which allows the reader to use a wide range of lighting types to illuminate codes on the most challenging surfaces. The improved UltraLight creates bright field, dark field and diffuse lighting conditions and is capable of high speed light cycling to quickly try several types of lighting on the same part. The improved UltraLight uses higher intensity pulsed lighting for faster response times and it provides brighter and more even diffuse illumination. Combined with a new, high speed global shutter sensor, the 8600 has a much larger depth of field per focus distance than the DataMan 8500.

The DataMan 8600 also features a modular communication design and is available with field-exchangeable corded and wireless communication modules. Corded options include Ethernet with Industrial Protocols (Ethernet/IP, PROFINET, ModBus TCP and MC Protocol) as well as RS-232, USB and USB Keyboard. Wireless models support Bluetooth paired with the new Intelligent Base Station. Any reader is field upgradeable and can use any of the communication modules available.

The DataMan 8600 features a new auxiliary button on the back of the reader which can be used to enable Extended Read Attempts mode or Data Validation. Extended Read Attempts mode enables the reader to try a set of pre-defined read setups that have higher decode timeouts, various lighting combinations and focus distances to read the most challenging to read DPM barcodes. The DataMan 8600 also features scripting, read setups, image filtering, Code Quality metrics as well as the new User Event 1 and User Event 2 option for easy operator feedback and handshaking with PLC's.

## Key Technical Specifications

### DataMan 8600 Handheld ID Reader

- 2DMax+
- 1DMax+ with Hotbars
- Improved UltraLight
- 1280x1024 global shutter sensor
- Laser Aimer
- Manual trigger and presentation mode
- Programmable Auxiliary Button
- Modular communication design
  - Corded models support Ethernet, Industrial Protocols, USB, USB Keyboard and RS-232
  - Wireless model support Bluetooth 2.1 communication to new Intelligent Base Station
  - Intelligent Base Station 2 supports Ethernet, Industrial Protocols, USB, USB Keyboard and RS-232

### DataMan Bluetooth Intelligent Base Station

- Bluetooth 2.1
- 24V power via DC jack or screw terminals
- Pair Scan code
- RJ25 RS-232 port
- Improved cable routing
- Snap-in reader mechanical design
- Threaded inserts for secure mounting
- No spare-battery charger



## Part Numbers

Model Number	Description
<b>DMR-8600-0000</b>	DataMan 8600 Handheld ID Reader w/o communication module <ul style="list-style-type: none"> <li>• DataMan 8600 Reader</li> <li>• Communication Module <b>sold separately</b></li> <li>• DataMan 8000 cables <b>sold separately</b></li> <li>• Power supply <b>sold separately</b></li> </ul>
<b>DMR-8600-0100</b>	DataMan 8600 Corded USB/Serial Handheld ID Reader <ul style="list-style-type: none"> <li>• DataMan 8600 Reader</li> <li>• DataMan Serial Communication Module</li> <li>• DataMan 8000 USB or RS-232 cables <b>sold separately</b></li> <li>• DM100-PWR-000 power supply <b>sold separately</b></li> </ul>
<b>DMR-8600-0200</b>	DataMan 8600 Corded Ethernet Handheld ID Reader <ul style="list-style-type: none"> <li>• DataMan 8600 Reader</li> <li>• DataMan Ethernet Communication Module</li> <li>• DataMan 8000 Ethernet cables <b>sold separately</b></li> <li>• CPS-AC-POE1A-xx POE injector <b>sold separately</b></li> </ul>
<b>DMR-8600-0602</b>	DataMan 8600 Bluetooth Handheld ID Reader with Bluetooth Intelligent Base Station 2 <ul style="list-style-type: none"> <li>• DataMan 8600 Reader</li> <li>• DataMan Bluetooth Communication Module</li> <li>• DataMan 3100mAh Handheld Battery</li> <li>• Bluetooth Intelligent Base Station 2 with USB, RS-232 and Ethernet output</li> <li>• DMA-24VPWR-xx 24V base station power supply <b>sold separately</b></li> <li>• USB, RS-232 or Ethernet cables <b>sold separately</b></li> </ul>

## New Accessories

Part Number	Description
<b>DMCM-BTM-00</b>	Bluetooth communication module for DataMan 8050, 8050X and 8600
<b>DMA-IBASE-BT-02</b>	Bluetooth Intelligent Base Station 2 with USB, RS-232 and Ethernet output
<b>DMA-RS232RJ-05</b>	5m Base Station RS-232 cable
<b>DMA-MBC-US</b>	DataMan Multibank Battery Charger with US 24V power supply
<b>DMA-MBC-EU</b>	DataMan Multibank Battery Charger with EU 24V power supply
<b>DMA-MBC-00</b>	DataMan Multibank Battery Charger w/o power supply
<b>DMA-24VMBC-00</b>	DataMan MBC 24V power supply (A/C cable sold separately)

## Launch Schedule

The DataMan 8600 public launch is scheduled for September 9<sup>th</sup>, 2014. This is when the website will go live and all launch materials will be made available. A separate bulletin will communicate the demo equipment offer and when we can accept first customer orders.