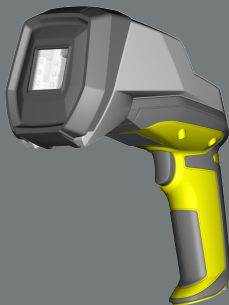


COGNEX

DataMan[®] 8072 Verifier

Quick Reference Guide



06/07/2018

Revision: 5.7.7.140

Precautions



WARNING: LASER LIGHT, DO NOT STARE INTO BEAM: CLASS 2 LASER PRODUCT. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE SERIOUS INJURY.

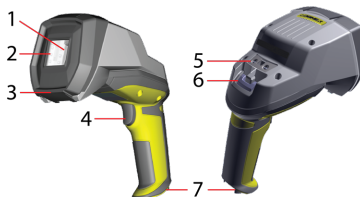
Observe these precautions when installing the Cognex product, to reduce the risk of injury or equipment damage:

- To reduce the risk of damage or malfunction due to over-voltage, line noise, electrostatic discharge (ESD), power surges, or other irregularities in the power supply, route all cables and wires away from high-voltage power sources.
- Changes or modifications not expressly approved by the party responsible for regulatory compliance could void the user's authority to operate the equipment.
- Cable shielding can be degraded or cables can be damaged or wear out more quickly if a service loop or bend radius is tighter than 10X the cable diameter. The bend radius must begin at least six inches from the connector.
- This device should be used in accordance with the instructions in this manual.
- All specifications are for reference purpose only and may be changed without notice.

Product Overview



WARNING: LASER LIGHT, DO NOT STARE INTO BEAM



1	Imager and Lens Optical System
2	Illumination
3	Removable Standoff
4	Trigger (press and release)
5	Lanyard hook
6	Indicator light
7	Communication module insertion point

Status indicators:

- Communication:
 - GREEN= good verification
 - RED = bad verification

DataMan 8072V Kits

The DataMan 8072V Verifier is available in the following kits:

Model number	Description
DMV-8072V-S-0200	DataMan 8072V Verifier Ethernet Kit with Stand: - 8072V Verifier - Standoff - Ethernet Slide-In - Ethernet Cable Attachment - Standard Ethernet Cable - POE Injector - Basic Calibration Card - Stand Accessory
DMV-8072V-S-0100	DataMan 8072V Verifier USB Kit with Stand: - 8072V Verifier - Standoff - USB Slide-In - USB Cable - Power Supply - Basic Calibration Card - Stand Accessory
DMV-8072V-0200	DataMan 8072V Verifier Ethernet Kit: - 8072V Verifier - Standoff - Ethernet Slide-In - Ethernet Cable Attachment - POE Injector - Basic Calibration
DMV-8072V-0100	DataMan 8072V Verifier USB Kit - 8072V Verifier - Standoff - USB Slide-In - USB Cable - Power Supply - Basic Calibration Card

DMV-8072V-0000	DataMan 8072V Verifier Kit <i>No Slide-In</i> - 8072V Verifier - Standoff - Basic Calibration Card
DMV-8072V-S-0000	DataMan 8072V Verifier Kit with Stand <i>No Slide-In</i> - 8072V Verifier - Standoff - Stand Accessory - Basic Calibration Card

DataMan 8072V verifier and stand-off



Ethernet or USB slide-in



Stand accessory



Calibration card



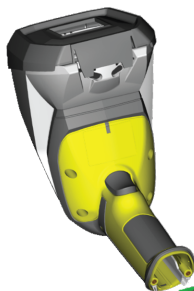
DataMan 8072V Verifier Accessories

Ethernet slide-in	DMCM-ENETM-00	
Serial/USB 2.0 slide-in	DMCM-USB2EN-00	
Power Supply for USB 2.0 Slide-In	DM100-PWR-000	
POE hub	CPS-AC-POE1A-US	
Stand Accessory	DMV-8072V-STAND	

Cables

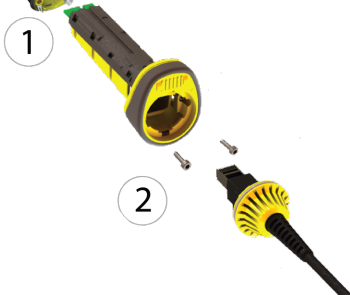
USB Cable for USB 2.0 Slide-In, 2.5 m	DM8500-USBC-02	 
Ethernet Cable for Ethernet Slide-In, 5 m	DM8000-ECABLE-05	
Standard Ethernet Cable	CBL-C10E	

Connecting the Verifier



Legend

- 1 = Connect the Slide-in to the reader, and tighten the screws to lock the slide-in.
- 2 = Insert the plug, slide the cable lock up to the verifier, and twist the cable lock in place.



Note: Disconnect the DataMan 8072V Verifier from power or remove the battery before inserting/removing the communication modules.

Installation

Installation procedures and specifications are presented in detail in the *DataMan® 8072 Verifier Reference Manual*, which is installed with the DataMan Setup Tool. From the Windows Start menu, select the following to access the manual: *All Programs > Cognex > DataMan Software vx.x.x > Documentation*.

Note:

- Cables are sold separately.
- If any of the standard components appear to be missing or damaged, immediately contact your Cognex Authorized Service Provider (ASP) or Cognex Technical Support.



CAUTION: All cable connectors are "keyed" to fit the connectors on the DataMan system; do not force the connectors or damage may occur.

Install Software and Documentation and Connect the Reader

To configure a DataMan 8072V Verifier, the DataMan Setup Tool software must be installed on a networked PC. The DataMan Setup Tool is available from the DataMan support site: <http://www.cognex.com/support/dataman>.

1. After installing the software, connect the DataMan 8072V Verifier to your PC.
2. Launch the DataMan Setup Tool and click **Refresh**.
3. Select your DataMan 8072V Verifier from the list and click **Connect**.

DataMan 8072V Verifier Specifications

Weight	400 g (including grip assembly with battery)
Operating Temperature	0°C — 45°C (32°F — 113°F)
Storage Temperature	0°C — 60°C (32°F — 140°F)
Maximum Humidity	95% (non-condensing)
Environmental	IP65
Codes	2-D barcodes: Data Matrix™ (IDMax and IDQuick: ECC200)
Power Supply Requirements	USB: bus powered (optionally: external 6W max LPS or NEC class 2 power supply +5V - +6V DC) ETH: Class 2 PoE supply IEEE 802.3af (connect only to PoE networks without routing to the outside plant)
Inrush current peak	5A maximum Duration: approx. 30µs
Ethernet	10/100 Base-T FULL/HALF DUPLEX, IEEE 802.3

DataMan 8072V Verifier Imager Specifications

Specification	DataMan 8072V Verifier Imager
Image Sensor	1/3 inch CMOS global shutter
Image Sensor Properties	3.75 µm square pixels
Image Resolution (Pixels)	1280 x 966
Lens Type	12 mm F:4 S-mount lens

LED Wavelengths

The following table shows LED types and the related wavelengths:

LED	λ [nm]
RED	660

Regulations/Conformity

The DataMan 8072V Verifier has Regulatory Model R00071, and meets or exceeds the requirements of all applicable standards organizations for safe operation. However, as with any electrical equipment, the best way to ensure safe operation is to operate them according to the agency guidelines that follow. Please read these guidelines carefully before using your device.

 **Note:** For the most up-to-date CE declaration and regulatory conformity information, please refer to the Cognex online support site:
<http://www.cognex.com/Support>.

Regulator	Specification
USA	FCC Part 15B, Class A
Canada	ICES-003, Class A
European Community	CE, Class A EN55032 EN55024
Japan	VCCI-3/2015.04 CISPR 22 Class A
Korea	KN32/KN35

Safety and Regulatory	
Manufacturer	Cognex Corporation One Vision Drive Natick, MA 01760 USA

Safety and Regulatory	
European Compliance 	CAUTION: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. The CE mark on the product indicates that the system has been tested to and conforms with the provisions noted within the 2014/30/EU Electromagnetic Compatibility Directive. For further information please contact: Cognex Corporation, One Vision Drive Natick, MA 01760 USA. Cognex Corporation shall not be liable for use of our product with equipment (i.e., power supplies, personal computers, etc.) that is not CE marked.
FCC Class A Compliance Statement 	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Canadian Compliance	This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.


 CAUTION: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.



WARNING: Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007. This device has been tested in accordance with IEC60825-1 2nd ed., and has been certified to be under the limits of a Class 2 Laser device.



For European Community Users

Cognex complies with Directive 2012/19/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on waste electrical and electronic equipment (WEEE).

This product has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment, if not properly disposed.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems for product disposal. Those systems will reuse or recycle most of the materials of the product you are disposing in a sound way.



The crossed out wheeled bin symbol informs you that the product should not be disposed of along with municipal waste and invites you to use the appropriate separate take-back systems for product disposal.

If you need more information on the collection, reuse, and recycling systems, please contact your local or regional waste administration.

You may also contact your supplier for more information on the environmental performance of this product.

中国大陆RoHS (Information for China RoHS Compliance)

根据中国大陆《电子信息产品污染控制管理办法》(也称为中国大陆RoHS), 以下部份列出了本产品中可能包含的有毒有害物质或元素的名称和含量。



Table of toxic and hazardous substances/elements and their content, as required by China's management methods for controlling pollution by electronic information products.

Part Name 部件名称	Hazardous Substances 有害物质					
	Lead (Pb) 铅	Mercury (Hg) 汞	Cadmium (Cd) 镉	Hexavalent Chromium (Cr (VI)) 六价铬	Polybrominated biphenyls (PBB) 多溴联苯	Polybrominated diphenyl ethers (PBDE) 多溴二苯醚
Regulatory Model R00071	X	O	O	O	O	O
This table is prepared in accordance with the provisions of SJ/T 11364. 这个标签是根据SJ/T 11364 的规定准备的。 O: Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement of GB / T26572 - 2011. 表示本部件所有均质材料中含有的有害物质低于 GB / T26572 - 2011 的限量要求。 X: Indicates that said hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB / T26572 - 2011. 表示用于本部件的至少一种均质材料中所含的危害物质超过 GB / T26572 - 2011 的限制要求。						

