

> Best-in-Class DPM Mobile Computer

The industry-leading DataMan® DPM reading technology is now available on a mobile computer.

> Unmatched Code Reading Performance

Powered by patented decoding algorithms and integrated illumination technology, the DataMan 9500 reads the most challenging direct part marks (DPM).

> Wi-Fi Communications

Connect directly to factory networks via 802.11 a/b/g protocols on 2.4GHz and 5GHz bands for real-time wireless communication.

The DataMan 9500 mobile computer was specifically designed for the factory floor yet is small and lightweight enough to fit comfortably in the hand with easy-to-use ergonomic controls. This industrial-grade mobile computer is ideal for reading DPM codes in applications where operators need to read and view code data but cannot be stationed at a terminal or PC. Mobile code reading applications include subassembly rework, repair/maintenance, inventory management, process tracking and more!

Superior Code Reading Technology

The DataMan 9500 is powered by Cognex patented algorithms, lighting and optics that provide advanced decoding for reading virtually every type of code, with unsurpassed read rates.

- **2DMax™** technology has set the industry standard for reading the most challenging DPM Data Matrix codes no matter the marking type, surface or code degradation.
- **1DMax™** technology is optimized for omnidirectional 1-D linear barcode reading and can handle extreme positional and print variation.
- **Cognex UltraLight® integrated illumination** provides different types of lighting techniques used for reading DPM codes. You can make manual adjustments to the settings or use one of the four preset configurations: General Purpose, Curved Surface, Dot Peen and Textured Surface.
- **The adjustable focus liquid lens** maximizes the depth of field for reading barcodes. This industrially proven technology enables a single reader to decode DPM marks close up, or barcodes from a distance. Relative to other autofocus mechanisms, the liquid lens has extremely fast response times and is exceptionally durable with no moving parts.



Wi-Fi Communications

Connect seamlessly into factory wireless networks via 802.11 a/b/g protocols on 2.4GHz and 5GHz bands, Channels 1-11 with WPA2, WPA and WEP level encryption options. The DataMan 9500 also comes pre-loaded with a Summit Data® Client Utility program for configuring your Wi-Fi setup.

Application Development

Setup Tool LITE makes DPM setup easier by providing direct access to reader functions such as image display, UltraLight parameters and focus settings. The DataMan 9500 includes Microsoft® Internet Explorer® and onboard keyboard emulation for running a web browser and HTML form-based applications. The DataMan 9500 uses the Microsoft Windows® CE 6.0 Operating System for running custom applications on the QVGA interface. The DataMan 9500 Developer Toolset provides everything you'll need to develop custom programs on this operating system:

- .NET Compact Framework 2.0 and 3.5
- DataMan SDK
- Mobile Computer SDK
- USB driver support for Microsoft ActiveSync® / Mobile Device Center
- Developer utilities
- Sample applications and source code

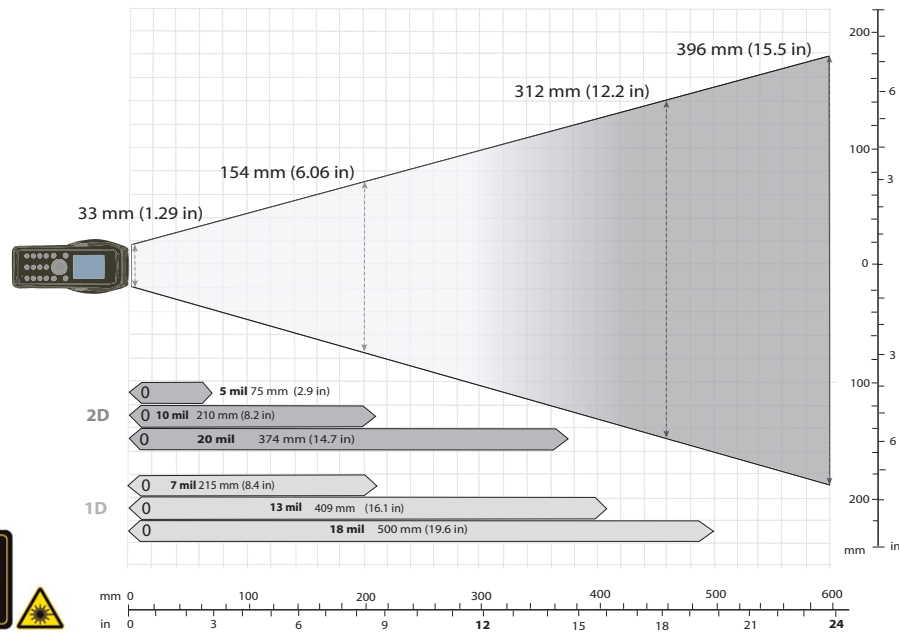
DataMan 9500 Series

Specifications

Dimensions	175 mm x 185 mm x 86 mm
Weight	Approx. 525 g (including battery)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-10°C to 60°C (14°F to 140°F)
Maximum Humidity	95% (noncondensing)
Material	Polycarbonate housing with overmold
Drop Resistance	25 drops from 2 m
Imager	1280 x 1024 high resolution sensor
Aiming	Laser Aimer, Class 2
Status Outputs	LED, beeper and vibration
Lighting	UltraLight integrated bright field, dark field, diffuse illumination
Optics	Variable focus liquid lens (0 to over 500 mm depending on code element size)
Reading Algorithms	2DMax and 1DMax
Symbologies	2-D: Data Matrix, QR, MicroQR 1-D: UPC/EAN/JAN, Codabar, Interleaved 2 of 5, Code 39, Code 128, Code 93, Pharmacode, GS1 Databar, PDF417, Micro PDF417

Processor	ARM11 532 MHz
Operating Platform	Microsoft Windows Embedded CE 6.0
Memory	256 MB DDR RAM/288 MB Flash (256 MB user accessible)
Display	2.2" (56 mm), 320 x 240 pixels (QVGA) touchscreen with adjustable backlight, energy saving function
Keyboard	21 keys, adjustable key backlight
Power Supply	Battery: 3.7v, 2200mAh Li-ion Backup Battery (for hot swap) and real time clock Charging Base Station: 24V power supply
Reader Communications	Wi-Fi 802.11 a/b/g; 2.4 GHz and 5 GHz Encryption Standards: WEP, WPA, WPA2
Base Station Communications	USB to PC with Microsoft ActiveSync
Environmental	Compliant with RoHS directive 2002/98/EEC
Regulatory	Electrical: CE, CSA, UL 60950, EN/IEC 60950-1 EMI: FCC Part 15, EN 301 489-1:2011, EN 301 489-17:2009, EN 300 328-2:2006, EN 61825-1:2007, RSS-210 Issue 8, RSS-GEN Issue 3, RSS-102 Issue 4

Field of View and Reading Distances



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