



# 1000A

1090+ / 1100 / 1105 Corded Scanner



## Reliable Scanning Built with Affordability

CipherLab's affordable handheld corded scanners deliver reliability at its finest for streamlining workflow. With fast paced scanning always in demand, these handheld scanners will accelerate your productivity in the retail, healthcare and manufacturing industries with ease, all the while minimizing total cost of ownership.



# 1000A

1090+ / 1100 / 1105 Corded Scanner

## CipherLab's Corded Handheld Produces Work Efficiency

CipherLab's corded handheld scanners create efficiency by providing 1000A, 1090+ and 1100/1105 for your scanning demands. The 1000A's user-friendly design is built with optimal scanning accuracy. CipherLab's 1090+ has the ability to precisely read 90mm wide barcodes and speed-up your business' operations. Under harsher environments, CipherLab's 1100/1105's ruggedness is coupled with reliable linear image scanning to generate long lasting productivity. Regardless of your needs, CipherLab's corded handheld scanners have a solution.



### Enhanced Depth of Field Ranges from Wide to Tiny

CipherLab's 1000A scanner instantly enhances your scanning capabilities with its optimal scanning efficiency and accuracy. Its 12 cm depth of field scanning on barcodes allows users to freely focus the reader from contact mode or at a distance of 12 cm. No matter if you need to read barcodes that are clustered together or barcodes that are too wide, the 1000A's enhanced depth of field has got you covered. Additionally, the 1000A can read high density barcodes up to 3 mil on limited space, which supports even the tiniest barcodes commonly found on jewelry or electronics.



### User-friendly Design with Swift Scanning Capabilities

Coming in ivory or black in color, CipherLab's 1000A has a design that is smooth and practical. It is built with thermoplastic polyurethane (TPU) and a rubber boot which makes the grip comfortable and able to withstand long periods of operation. With the operation being comfy, your business can push its productivity to the max with 1000A's speedy scanning. It has the ability to scan up to 200 scans per second. In addition, 1000A's ability to read low contrast barcodes ensures your speedy operational process won't be decelerated by poorly printed or damaged barcodes.



## Affordability Built with Reliable Performance and Warranty

Built with no moving parts, CipherLab's 1000A limits any complication in its performance while keeping power consumption low. It includes the useful ScanMaster software which allows easy configuration. Its affordable pricing coupled with its ability to satisfy a wide range of applications will give users the most bang for one's buck. Furthermore, the 1000A's reliability is backed with CipherLab's 5-year warranty as a gesture of confidence to ensure long-lasting operations.



## Accurate Scanning with Wide Barcode Flexibility

The 1090+ offers fast and accurate scanning which boosts productivity straight into checkout lines, shop floors and documentation centers. With its wide lid, the 1090+ is able to read barcodes up to 9 cm in contact mode. The contact imaging scanner eliminates scanning errors with its ability to read low quality barcodes of 30% PCS. Built with low power consumption and no moving parts, its low cost of ownership comes with ScanMaster software while backed with a 5 year warranty which makes CipherLab's 1090+ a great and reliable asset for any business with data capturing needs.



## Reliable Scanning Built for the Rugged Environments

CipherLab's 1100 and 1105 linear imaging scanner are built for the industries with harsh environments. While the 1100 can read 3 mil barcodes and 1105 can read 4 mil barcodes, both support reading low quality barcodes of 30% PCS. Having a depth of field range of 2.5 – 20 cm, the 1100 and 1105 scanner accommodate a wide range of accurate data capture. Built with a rugged design, the 1100 and 1105 can withstand multiple 2 meter drops onto concrete and other challenging environments. Its rugged reliability is coupled with low power consumption and no moving parts for long lasting service and low cost of ownership. Moreover, the 1100 and 1105 comes with ScanMaster software and CipherLab's 5 year warranty to ensure continuous productivity.



# General Corded Scanner



## 1000A

## 1090+

## 1100

## 1105

|                         | 1000A  | 1090+   | 1100   | 1105  |             |
|-------------------------|--|---|--|---|-------------|
| <b>Performance</b>      | Category   | Linear imaging scanner<br>(for barcodes up to 150mm wide)   | CCD contact scanner<br>(for barcodes up to 90mm wide)  | Linear imaging scanner  |             |
|                         | Optical sensor   | 1500 pixels   | 2048 pixels  | 3648 pixels   | 2048 pixels |
|                         | Light source   | Red LED (650 nm)  |  | Red LED (630 nm)  |             |
|                         | Resolution   | 3 mil   | 4 mil  | 3 mil   | 4 mil       |
|                         | Depth of field<br>13 mil barcode   | 0 to 12cm / 0 to 4.72 in.   | 0 to 5cm / 0 to 2 in.  | 2.5 to 20cm / 1 to 7.9 in.  |             |
|                         | Scanning angle   | Pitch $\pm 70^\circ$ Skew $\pm 40^\circ$  | Pitch $\pm 70^\circ$ Skew $\pm 70^\circ$   | Pitch $\pm 70^\circ$ Skew $\pm 70^\circ$                          |             |
|                         | PCS  | Minimum 30%   |  |   |             |
|                         | Scan rate  | 200 scans / second  | 100 scans / second   | 100 scans / second  |             |
|                         | Auto-sense mode  | N / A   |  | Yes   |             |
|                         | Interfaces supported   | RS232, Keyboard wedge, USB  | RS232, Keyboard wedge, USB HID,<br>USB Virtual Com, IBM 4683 / 4694                          | RS232, Keyboard wedge, USB HID,<br>USB Virtual Com, IBM 4683/4694 |             |
|                         | Barcodes supported   | Codabar, Code 39, Code 93, Code 128, GS1 DataBar (RSS), Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI, Italian and French Pharmacodes, Plessey, Telepen, UPC / EAN / GS1-128, and more |  |   |             |
|                         | Programmable features  | Data editing, interface selection, symbology configuration  |  |   |             |
|                         | Language support   | US and UK English, French, Italian, Belgian, Norwegian, Swedish, Spanish, Portuguese, German  |  |   |             |
| <b>Physical</b>         | Dimension<br>L x W x H   | 17 x 8 x 4.8 cm /<br>6.7 x 3.1 x 1.9 in.  | 18.2 x 10.4 x 6.4 cm /<br>7.2 x 4.1 x 2.5 in.  | 14.5 x 9.3 x 7.4 cm /<br>5.7 x 3.7 x 2.9 in.                      |             |
|                         | Weight<br>without cable  | 203 g / 7.2 oz. (w / cable)   | 148 g / 5.2 oz.  | 165 g / 5.8 oz.   |             |
|                         | Color  | Ivory or Black  | Ivory  | Light gray or dark gray   |             |
|                         | Switch   | Rubber switch   |  | Micro switch  |             |
| <b>Electrical</b>       | Voltage  | +5V $\pm 5\%$   |  | +5V $\pm 10\%$  |             |
|                         | Power consumption<br>Standby / Operating   | 30mA / 120 mA   | 45 mA / 105 mA   | 60 mA / 190 mA  |             |
| <b>User Environment</b> | Operating temperature  | 0 ° to 50°C / 32° to 122°F  |  |   |             |
|                         | Storage temperature  | -20° to 60°C / -4° to 140°F   |  |   |             |
|                         | Operating/storage humidity<br>Non-condensing   | 10% to 90% / 5% to 95%  |  |   |             |
|                         | Impact resistance<br>Multiple drops onto concrete  | 1.0 m / 3.3 ft. Drops   |  | 2m / 6.6 ft. Drops  |             |
|                         | Electrostatic discharge  | Conforms to $\pm 15$ kV air discharge and $\pm 8$ kV contact discharge  |  |   |             |
|                         | Regulatory compliance  | BSMI, CE, RCM, FCC, IC, KC, RoHS, REACH, WEEE, ErP  |  | BSMI, CE, RCM, FCC, IC, RoHS, REACH, WEEE, ErP                    |             |
| <b>Configuration</b>    | Setup options include Windows®-based ScanMaster/ScanManager, by direct connection or printing out barcode settings. OPOS driver ready. |   |  |   |             |
| <b>Accessories</b>      | Includes attached cable  |   | Detachable cable, desk / wall mount included with 1100<br>Optional auto-sense stand for 1100 |   |             |
| <b>Warranty</b>         | 5 years  |   |  |   |             |



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