Handheld scanners make work easier with fast, accurate barcode scanning in retail, industrial, manufacturing, and enterprise environments. CipherLab’s reliable and rugged handheld, wired scanners are designed to help accelerate productivity while minimizing total cost of ownership.

<table>
<thead>
<tr>
<th>Model</th>
<th>Auto Sense Mode</th>
<th>Scan Rate</th>
<th>Barcodes Supported</th>
<th>Interfaces Supported</th>
<th>Language Support</th>
<th>Weight</th>
<th>Color</th>
<th>Switch</th>
<th>Voltage</th>
<th>Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 &amp; 1090+</td>
<td>n/a</td>
<td>100 scans/second</td>
<td>Codabar, Code 39, Code 93, Code 128, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI, Pharmacodes, Plessey, RSS14, Telepen, UPC/EAN, and more</td>
<td>RS232 / Keyboard wedge / Wand emulation (except 1000) / USB HID / USB Virtual Com / IBM 4683/4694</td>
<td>US and UK English/French/Italian /Belgian/Norwegian/Swedish/Spanish/Portuguese/German</td>
<td>265 g / 9.3 oz.</td>
<td>Ivory Light grey or dark grey</td>
<td>Rubber switch</td>
<td>+5 V ±5%</td>
<td>15 mA / 60 to 80 mA / 85 to 110 mA</td>
</tr>
<tr>
<td>1000</td>
<td>n/a</td>
<td>100 scans/second</td>
<td>Codabar, Code 39, Code 93, Code 128, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI, Pharmacodes, Plessey, RSS14, Telepen, UPC/EAN, and more</td>
<td>RS232 / Keyboard wedge / Wand emulation (except 1000) / USB HID / USB Virtual Com / IBM 4683/4694</td>
<td>US and UK English/French/Italian /Belgian/Norwegian/Swedish/Spanish/Portuguese/German</td>
<td>148 g / 5.2 oz.</td>
<td>Light grey</td>
<td>Micro switch</td>
<td>+5 V ±5%</td>
<td>15 mA / 60 mA / 90 mA</td>
</tr>
<tr>
<td>1100/1105</td>
<td>Yes</td>
<td>35 ± 5 scans/second</td>
<td>Codabar, Code 39, Code 93, Code 128, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI, Pharmacodes, Plessey, RSS14, Telepen, UPC/EAN, and more</td>
<td>RS232 / Keyboard wedge / Wand emulation (except 1000) / USB HID / USB Virtual Com / IBM 4683/4694</td>
<td>US and UK English/French/Italian /Belgian/Norwegian/Swedish/Spanish/Portuguese/German</td>
<td>165 g / 5.8 oz.</td>
<td>Dark grey</td>
<td>Micro switch</td>
<td>+5 V ±10%</td>
<td>15 mA / 80 mA / 160 mA</td>
</tr>
<tr>
<td>1200</td>
<td>n/a</td>
<td>100 scans/second</td>
<td>Codabar, Code 39, Code 93, Code 128, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI, Pharmacodes, Plessey, RSS14, Telepen, UPC/EAN, and more</td>
<td>RS232 / Keyboard wedge / Wand emulation (except 1000) / USB HID / USB Virtual Com / IBM 4683/4694</td>
<td>US and UK English/French/Italian /Belgian/Norwegian/Swedish/Spanish/Portuguese/German</td>
<td>190 g / 6.7 oz.</td>
<td>Dark grey</td>
<td>Rubber switch</td>
<td>+5 V ±5%</td>
<td>15 mA / 170 mA / 250 mA</td>
</tr>
</tbody>
</table>

**Performance**

- **Category**: CCD contact scanner (for codes up to 90mm wide), Linear imaging scanner, Laser scanner
- **Optical sensor**: 2048 pixels, 3648 pixels, Laser Light source
- **Resolution**: 3 mil, 4 mil, 3 mil, 4 mil
- **Depth of field**: 0 to 1 cm (0 to 0.4 in.), 0 to 5 cm (0 to 2 in.), 2.5 to 20 cm (1 to 7.9 in.), 1 to 63 cm (0.4 to 25 in.)
- **Scanning angle**: Pitch ± 70°, Skew ± 40°, Pitch ± 70°, Skew ± 70°, Pitch ± 70°, Skew ± 32.5°

**Programmable features**: Data editing, interface selection, symbology configuration

**Language support**: US and UK English/French/Italian /Belgian/Norwegian/Swedish/Spanish/Portuguese/German

**Physical**

- **Weight**: 265 g / 9.3 oz. (w/cable), 148 g / 5.2 oz., 165 g / 5.8 oz., 190 g / 6.7 oz.
- **Color**: Ivory Light grey or dark grey
- **Switch**: Rubber switch, Micro switch

**Electrical**

- **Voltage**: +5 V ±5%, +5 V ±5%, +5 V ±10%, +5 V ±5%
- **Power Consumption**
  - Standby / Scanning / Maximum: 15 mA / 60 to 80 mA / 85 to 110 mA, 15 mA / 60 mA / 90 mA, 15 mA / 80 mA / 160 mA, 15 mA / 170 mA / 250 mA

**User Environment**

- **Operating temperature**: 0ºC to 50ºC / 32ºF to 122ºF, 0ºC to 40ºC / 32ºF to 104ºF
- **Storage temperature**: -20ºC to 60ºC / -4ºF to 140ºF, -40ºC to 60ºC / -40ºF to 140ºF
- **Operating/storage humidity**: Non-condensing 10% to 90% / 5% to 95%

**Impact resistance**: Multiple drops onto concrete

- **1.0 m (3.3 ft.) drops**
- **2 m (6.6 ft.) drops**
- **1.2 m (4 ft.) drops**

**Electrostatic discharge**: Conforms to ±15 kV air discharge and ±8 kV contact discharge

**EMC regulation**: FCC / CE / C-tick / BSMI

**Configuration**

- Setup options include Windows®-based ScanManager software (included), by direct connection or printing out barcode settings

**Accessories**

- Includes attached cable
- Detachable cable, desk/wall mount included with 1100/1200.
- Optional autosense stand for 1100.

**Warranty**

- 5 year
- 1 year
Wherever handheld scanners are used—on the shop floor, at the checkout counter, in the manufacturing line, or in the documentation center—they must be comfortable and safe for the user, stand up to tough environments, be cost-effective to operate, and deliver undeniably accurate scans all day long.

CipherLab designs and manufactures the industry’s top handheld scanners to provide outstanding, long-lasting service for workers and deliver a high return on investment (ROI). Reliability, user comfort, rugged construction, and low power consumption (an average 50 percent lower than competitors’ devices) make CipherLab scanners the ideal choice for long-lasting value in any industry.

1000 & 1090+

When it comes to reading a variety of symbologies and printed materials, the CipherLab 1000 and 1090+ CCD Scanners are ideal for consistently accurate data capture in any environment. Contact scanners eliminate misreading clustered or poorly printed bar codes. Smart ergonomic design with a sturdy thermoplastic polyurethane (TPU) rubber boot make them easy to use and rugged. Auto-discrimination of the barcode type and a CCD imager instead of a laser make them accurate, reliable scanners, with no moving parts to break down. Low power consumption helps minimize TCO and makes these scanners ideal choices for close scanning, even of wider barcodes (up to 90 mm with the 1090+).

1100 / 1105

For fast scanning of multiple symbologies, the CipherLab 1100/1105 Retail Linear Imaging Scanners are ideal to boost productivity with low cost of ownership. These scanners automatically sense symbology type and read barcodes up to 20 cm/7.9 in. away, making them easy-to-use, versatile tools. Built with no moving parts and using rugged double-injection molded TPU, the 1100/1105 scanners withstand multiple 2-meter/6.5-foot drops onto concrete, providing long-lasting service with low total cost of ownership.

1200

Ideal for retail applications, the CipherLab 1200 Laser Scanner quickly and accurately reads barcodes up to 64 cm/2 ft. away, allowing you to work smarter and faster. Small size, ergonomic design, and light weight make the 1200 scanner easy and comfortable to use all day long.
ScanManager™—PC software to custom-configure your scanner to any environment

CipherLab ScanManager™ software provides comprehensive tools to configure your scanner, such as enabling and disabling auto-sense mode, choosing edit format and symbology types, plus more. With ScanManager software, you can easily customize the scanner to your environment. ScanManager software for PC is included with all CipherLab scanners.

CipherLab—the scanner pioneer

LEADER IN THE INDUSTRY
CipherLab leads the industry with high-quality, rugged scanners that are designed to meet the specific needs of users in a wide range of environments. We acquired our leadership position through more than fifteen years of designing and manufacturing scanners, from our first CCD barcode scanner released in 1991 to our most recent announcements of powerful, versatile handheld scanners.

TAKING CARE OF OUR CUSTOMERS
Our customers trust the experience we’ve gained from working with many different industries and providing them scanning solutions to help boost productivity with low TCO. Our scanners can be found in retail, medical, transportation, manufacturing, and financial sectors. That’s why we understand the needs of both the industries scanners are used in and the people who handle them all day long. We back our reputation for quality and reliability with a 5-year warranty on our non-laser handheld scanners.

EXTENSIVE RESEARCH AND DEVELOPMENT
Innovative engineering and design is supported with extensive research and development in optics, electronics, and communications technology. Our R&D engineers ensure operating satisfaction from proof-of-concept to production-line products.

INTERNATIONALLY RECOGNIZED QUALITY
Our commitment to the highest manufacturing quality is recognized around the world by users and businesses that depend on the daily performance of our scanners. We operate under the ISO 9001 quality standards and ISO 14000 environmental standards certified by international organizations. You can trust CipherLab scanners to deliver dependable operation with a low TCO and high ROI. Our products are recognized around the world for their work and business value:

- **RANKED IN TOP FIVE BY RESELLERS** In 2006, *Vertical Systems Reseller*, a leading United States AIDC magazine, rated CipherLab among the top five scanner manufacturers.
- **RATED IN TOP THREE WORLDWIDE** In a *Venture Development Corporation 2006* survey, end users ranked CipherLab in the top three best handheld scanners.
- **CIPHERLAB SCANNERS USED BY MILLIONS WORLDWIDE** CipherLab scanners lead worldwide sales with a reputation for quality and reliability.

CIPHERLAB PRODUCTS ARE VALUED WORLDWIDE FOR ENGINEERING EXCELLENCE. OUR HANDHELD SCANNERS ARE ANOTHER EXAMPLE OF TECHNICAL INNOVATION AND QUALITY VALUE FOR TODAY’S AIDC SOLUTIONS.
## Scanners
### Wired / Handheld

### 1000 K/R/U
- **Performance**
  - Category: CCD contact scanner
  - Optical sensor: 2048 pixels
  - Light source: Red LED (660 nm)
  - Resolution: 3 mil
  - Depth of field: 0 to 1 cm
  - Scanning angle: Pitch ± 70°
  - PCS: Minimum 30%
  - Scan rate: 100 scans/second
- **Autosense mode**: n/a
- **Interfaces supported**: RS232 / Keyboard wedge / Wand emulation (except 1000) / USB HID / USB Virtual Com / IBM 4683/4694
- **Barcodes supported**: Codabar, Code 39, Code 93, Code 128, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI, Pharmacodes, Plessey, RSS14, Telepen, UPC/EAN, and more
- **Physical**
  - Weight: 265 g / 9.3 oz. (w/cable)
  - Color: Ivory
  - Switch: Rubber switch
- **Electrical**
  - Voltage: +5 V ±5%
  - Power Consumption: 15 mA / 60 to 80 mA / 85 to 110 mA
  - Standby: 15 mA / 60 mA / 90 mA
  - Maximum: 15 mA / 80 mA / 160 mA
  - Operating temperature: 0°C to 50°C / 32°F to 122°F
  - Storage temperature: -20°C to 60°C / -4°F to 140°F
- **User Environment**
- **Operating/storage humidity**: Non-condensing 10% to 90% / 5% to 95%
- **Impact resistance**: 1.0 m (3.3 ft.) drops
- **Electrostatic discharge**: Conforms to ±15 kV air discharge and ±8 kV contact discharge
- **Configuration**
  - Setup options include Windows®-based ScanManager software (included), by direct connection or printing out barcode settings
- **Accessories**
  - Includes attached cable
- **Warranty**
  - 5 year

### 1090+ 1100
- **Performance**
  - Category: CCD contact scanner (for codes up to 90mm wide)
  - Optical sensor: 3648 pixels
  - Light source: Red LED (650 nm)
  - Resolution: 4 mil
  - Depth of field: 0 to 5 cm
  - Scanning angle: Pitch ± 70°
  - PCS: Minimum 30%
  - Scan rate: 35 ± 5 scans/second
- **Interfaces supported**: Codabar, Code 39, Code 93, Code 128, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI, Pharmacodes, Plessey, RSS14, Telepen, UPC/EAN, and more
- **Physical**
  - Weight: 148 g / 5.2 oz.
  - Color: Light grey or dark grey
  - Switch: Micro switch
- **Electrical**
  - Voltage: +5 V ±5%
  - Power Consumption: 15 mA / 60 mA / 90 mA
  - Standby: 15 mA / 60 mA / 90 mA
  - Maximum: 15 mA / 60 mA / 90 mA
  - Operating temperature: 0°C to 40°C / 32°F to 104°F
  - Storage temperature: -40°C to 60°C / -40°F to 140°F
- **User Environment**
- **Operating/storage humidity**: Non-condensing 10% to 90% / 5% to 95%
- **Impact resistance**: 2 m (6.6 ft.) drops
- **Electrostatic discharge**: Conforms to ±15 kV air discharge and ±8 kV contact discharge
- **Configuration**
  - Setup options include Windows®-based ScanManager software (included), by direct connection or printing out barcode settings
- **Accessories**
  - Includes attached cable
- **Warranty**
  - 1 year

### 1200
- **Performance**
  - Category: Linear imaging scanner
  - Optical sensor: 3648 pixels
  - Light source: Red LED (630 nm)
  - Resolution: 3 mil
  - Depth of field: 2.5 to 20 cm
  - Scanning angle: Pitch ± 70°
  - PCS: Minimum 30%
  - Scan rate: 35 ± 5 scans/second
- **Interfaces supported**: Codabar, Code 39, Code 93, Code 128, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI, Pharmacodes, Plessey, RSS14, Telepen, UPC/EAN, and more
- **Physical**
  - Weight: 165 g / 5.8 oz.
  - Color: Light grey or dark grey
  - Switch: Micro switch
- **Electrical**
  - Voltage: +5 V ±10%
  - Power Consumption: 15 mA / 80 mA / 160 mA
  - Standby: 15 mA / 80 mA / 160 mA
  - Maximum: 15 mA / 170 mA / 250 mA
  - Operating temperature: 0°C to 40°C / 32°F to 104°F
  - Storage temperature: -40°C to 60°C / -40°F to 140°F
- **User Environment**
- **Operating/storage humidity**: Non-condensing 10% to 90% / 5% to 95%
- **Impact resistance**: 1.2 m (4 ft.) drops
- **Electrostatic discharge**: Conforms to ±15 kV air discharge and ±8 kV contact discharge
- **Configuration**
  - Setup options include Windows®-based ScanManager software (included), by direct connection or printing out barcode settings
- **Accessories**
  - Includes attached cable
- **Warranty**
  - 1 year

### Accessories
- **Auto Sense Stand**
- **1100/1105 & 1200 Holder**
  - Can be used on tabletop or wall mounted

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**SPECIFICATIONS**

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**TÜV CERT**

DIN EN ISO 9001