CIPHER LAB
Smarter

1000 & 1090+
1100 / 1105 | 1200

Scanners

Wired / Handheld

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.

Scanners

Wired / Handheld

Comfortable, powerful, hard-working scanners delivering outstanding service and value

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+).

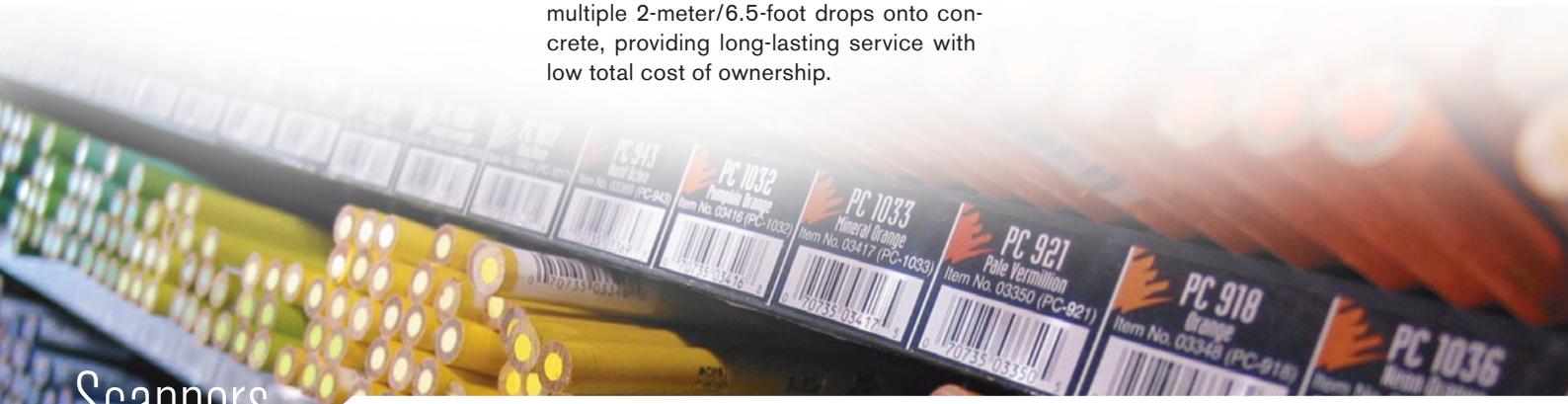
(1100/1105 and 1200 also available in dark grey)

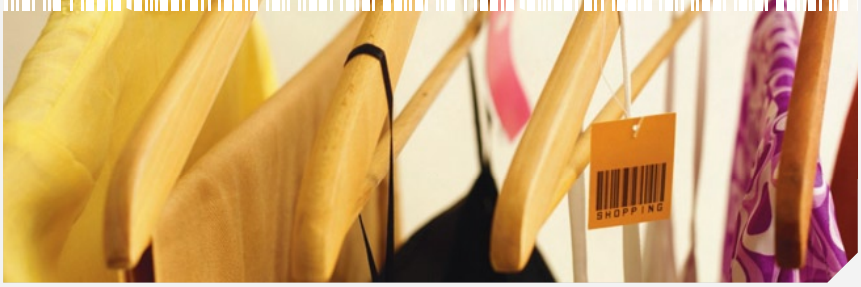
1100 / 1105

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.





CIPHERLAB Smarter

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.

SPECIFICATIONS

Scanners

Wired / Handheld

		1000 K/R/U	1090+	1100	1200
Performance	Category	CCD contact scanner	CCD contact scanner (for codes up to 90mm wide)	Linear imaging scanner	Laser scanner
	Optical sensor	2048 pixels	2048 pixels	3648 pixels	Laser
	Light source	Red LED (660 nm)	Red LED (650 nm)	Red LED (630 nm)	Visible laser diode (650 ±15 nm)
	Resolution	3 mil	4 mil	3 mil	4 mil
	Depth of field (depends on barcode resolution)	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 ± 70°	Pitch ± 70° Skew ± 32.5°
	PCS	Minimum 30%			
	Scan rate	100 scans/second			35 ± 5 scans/second
	Autosense mode	n/a		Yes	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			
	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	0°C to 50°C / 32°F to 122°F			0°C to 40°C / 32°F to 104°F
	Storage temperature	-20°C to 60°C / -4°F to 140°F			-40°C to 60°C / -40°F to 140°F
	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	FCC / CE / C-tick / BSMI / MIC	FCC / CE / C-tick / BSMI	FCC / CE / C-tick / BSMI / MIC
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		1 year			

ACCESSORIES

Auto Sense Stand

1100/1105 & 1200 Holder
Can be used on tabletop or wall mounted

TÜV CERT DIN EN ISO 9001

©2007 CipherLab Co., Ltd. All specifications are subject to change without notice. All rights reserved.

CIPHERLAB Smarter

HEADQUARTERS
CipherLab Co., Ltd.
12F, 333 Dunhua S. Rd., Sec. 2
Taipei, Taiwan 106
Tel +886 2 8647 1166
Fax +886 2 8732 2255
www.cipherlab.com

CipherLab China
Suite 1305, 1065A, Jaojiabang Rd.
Xuhui District, Shanghai,
China 200030
Tel +86 21 3368 0288
Fax +86 21 3368 0286

CipherLab USA
2552 Summit Avenue
Plano, Texas USA 75074
Tel +1 469 241 97799
Toll Free 888 300 9779
Fax +1 469 241 0697

CipherLab EMEA
Airedale House
Clayton Wood Rise
Leeds, LS16 6RF, UK
Tel +44 113 274 7823
Fax +44 113 274 7822