

Scanner 2008



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Contact Scanner

CCD Contact Barcode Scanner 1000



CipherLab contact scanners combine value and control for easy, accurate scanning in many types of applications. Contact scanners read **barcodes** and **symbols** at very close range, eliminating mis-reads of nearby labels. When accurate, **close-range scanning** is a must, CipherLab contact scanners are your best choice.

Fast, easy, and accurate scanning with incredible reliability, **low cost**, and a **5-year** warranty add up to real value. The **1000 Contact Scanner** puts more productivity into checkout lines, shop floors, and documentation centers, by accelerating processes and eliminating scanning errors, especially when barcodes are printed closely or poorly. And it's designed for laser-free safety and comfort, while being rugged enough for the harshest environments. The **1000 Contact Scanner** delivers **100% productivity** in a hard-working, reliable tool.

- ▶ Contact imager eliminates many scanning errors
- ▶ Reads up to 67 mm wide barcodes, up to 3 mil and up to 30% PCS
- ▶ Rugged, reliable, and backed by a 5-year warranty
- ▶ Widely programmable, supports three sets of data editing, interface selection and symbology configuration. Interface Support : KBD Wedge, RS232, and USB
- ▶ Supports multiple languages for worldwide applications and includes ScanManager software
- ▶ Extremely Low Power Consumption
- ▶ Barcode Readability: Most popular barcode symbologies are supported.

Accessories:

350 Ethernet Bridge



A convenient and cost-effective solution to link existing serial (RS232) devices to Ethernet networks via 10/100 Base-T, with simultaneous LAN connectivity for two serial devices such as barcode readers, UPSs, or data terminals.

Value Scanner

Wired Linear Imaging Scanner 1100



CipherLab value scanners give you great data capture capabilities at **longer distances** than contact scanners, **using image and laser scanning technologies**. Ideal for retail or healthcare applications, they are built for **ease of use** and **long-term performance**. Our range of value scanners let you match your needs to our scanner products and help you keep your costs down.

Enable workers to do more while you spend less with safe, reliable linear imaging scanners. The **1100 offers flexibility and reliability with low cost** of ownership. Choose the best scanner for your operations. The **1100** uses a 3648-pixel imager and can **scan 3 mil barcodes** as well as 30% PCS. It offers **scanning of multiple symbologies** in a single tool and is built for continuous use in demanding environments. You get quality and reliability backed by a **5-year warranty**.

- ▶ Rugged, reliable linear imaging scanner able to read multiple symbologies
- ▶ Built of thermoplastic polyurethane (TPU), withstands multiple 2-meter drops onto concrete
- ▶ No moving parts for long-lasting service and low cost of ownership
- ▶ Reads barcodes with density of 3 mil
- ▶ Widely programmable, supports three sets of data editing, interface selection and symbology configuration.
- ▶ Supports multiple languages for worldwide applications and includes ScanManager software
- ▶ Low power consumption

Accessories:

1100 Auto-Sense Stand



Hands-free scanning stand for the 1100 using Auto-Sense feature. Accessory available in black and ivory

Scanner Wall Mount/Desk Stand



Convenient wall or desk scanner mount protects and keeps scanner handy. Wall Mount/Desk Stand comes with scanner.

350 Ethernet Bridge



A convenient and cost-effective solution to link existing serial (RS232) devices to Ethernet networks via 10/100 Base-T, with simultaneous LAN connectivity for two serial devices such as barcode readers, UPSs, or data terminals.

Technical Specification Overview for 1000 and 1100 Scanner

		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		5 year			1 year

Bluetooth Scanner

Wireless Bluetooth Scanner 1166

CipherLab Bluetooth scanners are ideal for situations where you need flexibility and mobility. Whether you need to scan barcodes and print labels on the store floor, bust checkout lines, verify picking in the warehouse, or update patient records at the patient's bedside, our Bluetooth scanners make accurate scanning fast and easy.

1166 Bluetooth Scanner

"Freedom to the workers!" lets them do more for your customers, your business. Built with a safe, linear imaging reader, the 1166 Bluetooth scanner connects anywhere within 100 meters (328 ft.) to go where the work and customers are. Even out of range, it acquires data, uploading it when back in coverage. And the 1166 makes your investment work for you by sharing its communication cradle with up to seven CipherLab Bluetooth scanners. Efficiency and value are built right into the 1166 Wireless Bluetooth Scanner.



- ▶ Linear imaging scanner with wireless connectivity up to 100 meters
- ▶ Capture up to 256 scans while out of range, or work in batch mode and store up to 8195 scans
- ▶ Share the 3666 communication cradle with up to seven CipherLab Bluetooth scanners
- ▶ Runs up to 39 hours or 28,000 scans on a single charge
- ▶ Includes ScanManager software
- ▶ Built for harsh environments, withstands multiple drops to concrete
- ▶ Supports multiple interfaces, communicates with any host with a Bluetooth profile

Accessories:

3666 Communication and Charging Cradle



Connects up to seven Bluetooth scanners for transmitting data to server/system and also provides battery recharge function.

Applicable Models: 1166/1266

Bluetooth Scanner

Wireless Bluetooth Scanner 1266

CipherLab Bluetooth scanners are ideal for situations where you need flexibility and mobility. Whether you need to scan barcodes and print labels on the store floor, bust checkout lines, verify picking in the warehouse, or update patient records at the patient's bedside, our Bluetooth scanners make accurate scanning fast and easy.

1266 Bluetooth Scanner

The CipherLab 1266 Bluetooth laser scanner roams up to 100 meters (328 ft.) to go where the work and customers are. Even while out of Bluetooth coverage, it acquires and stores data in batch mode or reserve buffer, uploading it when once again in range. And the 1266 makes your investment work for you by sharing its communication cradle with up to seven CipherLab Bluetooth scanners. For retail, manufacturing, warehousing or healthcare, efficiency and value are designed into the 1266 Bluetooth Laser Scanner.



- ▶ Laser scanner reads up to 63 cm (25 in.) away with wireless connectivity up to 100 meters
- ▶ Capture up to 256 scans while out of range, or scan in batch mode and store up to 8192 scans
- ▶ Share the 3666 communication cradle with up to seven CipherLab Bluetooth scanners
- ▶ Runs up to 45 hours or 32,000 scans on a single charge
- ▶ Includes ScanManager software
- ▶ Built for harsh environments, withstands multiple drops to concrete
- ▶ Supports multiple interfaces, communicates with any host with a Bluetooth profile

Accessories:

3666 Communication and Charging Cradle



Connects up to seven Bluetooth scanners for transmitting data to server/system and also provides battery recharge function.

Applicable Models: 1166/1266

Technical Specification Overview for 1166 and 1266 Scanner

		1166	1266	
RF Communication	Module	Bluetooth Class 2 (2.4 GHz) Version 1.2		
	Coverage (line of sight)	100 m / 328 ft.		
	Standard profile	SPP, HID or through 3666 base		
Performance	Optical sensor	3648 pixels	Laser	
	Light source	Red LED 630 nm	Visible laser diode at 650 ± 15 nm	
	Resolution	4 mil	3 mil	
	Depth of field (depends on barcode resolution)	2 to 33 cm / 0.8 to 13 in.	1 to 63 cm / 0.4 to 24.8 in.	
	Scanning angle	Pitch ± 70° Skew ± 70°		
	Scan rate	100 scans/second		
	PCS	Minimum 45%		
	Interfaces supported	RS232 / Keyboard wedge / USB virtual COM / USB HID		
	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 (including battery)	200 g / 7.1 oz.	210 g / 7.4 oz.
		Color	Dark grey	
Switch		Micro switch		
Electrical	Voltage	DC 5 V ±5% (with adapter) / 3.7 V 700 mAh Li-ion battery		
	Power Consumption Standby-linked / Scanning / Maximum	12 mA / 170 mA / 250 mA	12 mA / 85 mA / 150 mA	
User Environment	Temperature	Operating: 0°C to 50°C / 32°F to 122°F Storage: -20°C to 60°C / -4°F to 140°F		
	Humidity (non-condensing)	Operating: 10% to 90% Storage: 0% to 95%		
	Impact resistance	Withstands multiple 1.2 m (3.94 ft.) drops onto concrete		
	Electrostatic discharge	Conforms to ±15 kV air discharge and ±8 kV contact discharge		
	EMC regulation	FCC / CE / C-tick / BSMI / MIC / VCCI		
Configuration	Setup options include Windows®-based ScanManager software (included), by direct connection or printing out barcode settings			
Accessories	Charging cradle and charging/communications cradle			
Warranty	3 year (1266 engine is 1 year)			

CCD Barcode Scanner with Integrated R/W Electronic for RFID Transponders

ChipScan Smart Label Gun

The combination of Barcode reading and RF/ID identification including the option to write data to a transponder has been developed for applications in asset tracking and secure identification of persons and products in hospitals, industrial and commercial areas.

The high performance Barcode scanner has the newest and most up to date dual CCD scanner. The RF/ID reader, based on the MicroEngine is a R/W electronic for RFID Transponders for 125 kHz, 134 kHz, 13,56 MHz.



- ▶ Easy to connect on RS 232 or as Keyboard Wedge.
- ▶ Plug and Play
- ▶ No software needed.
- ▶ Just one unit, one cable, one interface for Barcode and RF/ID
- ▶ LED indicator
- ▶ Good read Beeper
- ▶ Ergonomic design
- ▶ Light weight
- ▶ Ready for GemWave
- ▶ Best selling: I Code and Tag It
- ▶ Low power consumption, power save mode
- ▶ integrated antenna
- ▶ Barcode scan distance up to 300 mm, transponder R/W distance up to 150 mm depends on transponder type, Trigger Switch

Technical Specification Overview for ChipScan

Optical System Resolution Scan Angle PCS Value Light Source Scanning speed Reading distance		CCD - BARCODE Reader 3000 pixels high density dual CCD technology 0,125 mm (5 mil), Code 39, PCS = 90% 30° 30% or more Visible LED (Wave Length 650 nm) 300 scan/sec 300 mm (12") EAN 1, PCS 90%	
Technology: Transponders Read/Write Speed Read/Write distance		RF/ID Transponder Read/Write Electronic 13,56 MHz or 125 kHz or 134 kHz Most of the common transponders in the market Up to 24 kBit / sec. (Write and Read back of 2 kBit > 1,5 sec. Up to 150 mm	
Electrical Supply Voltage Operating Current		Environment Operating Temperature Storage temperature Humidity Ambient Light Rejection	
Mechanical Cable Length Connector type Case Material		5 VDC+/- 5 % 150 mA typical 25 mA stand by current Straight (2 m), Option coiled Sub D 9 pin or Keyboard connectors if Wedge cable ABS Plastic 0° C - 40° C -20° C - 60° C 20 % RH - 85 % RH (non condensing) 1500 LUX max Fluorescence 800 LUX max. (Sunlight) Weight 180 g exclude cable and connector	
General Features: Multi Interface Type of Keyboards emulated Readable Codes Programmable Built-In Decoder Serial Interface Type		Keyboard Emulation, C-MOS Serial and Wand Emulation, all in one unit IBM PC/XT/AT, IBM PS/2 Model 30-80, IBM 5550, 5530-SC, 5530-ZS, IBM 3196, 3472/3477, 5395 Terminal, NEC 9801, Apple MAC and more Code 39, Full ASCII Code 39, Interleaved 2/5, UPC A, UPC E, EAN/JAN 8, EAN/JAN 13, ISBN/ISSN, Code 128, EAN 128, Code 93, IATA, MSI, Plessey, Codabar, and many more.... Type of Interface, Code Type selection, Check Digit Selection, Decoding Option Transmitted Character Delay, Header Selection, Trailer Selection, Good Read Beep Tone, Bar-Code identifier, RF/ID Identifier, Keyboard Type and Keyboard Language ACK/NAK, Xon/Xoff, RTS/CTS, Baud rate, DataBit, Stop Bit, Parity	

ChipScan is a registered trade mark (Nr.: 185 379) of Datatronic IDentsysteme GmbH.

Contact Scanner

CCD Contact Barcode Scanner Z3010



- ▶ Light, rugged design
- ▶ Advanced scanning performance
- ▶ Read status LED indicator and programmable beeper
- ▶ Built-in decoder
- ▶ Multi-interface communication

- ▶ Applications
Point of sale, Stock control, Logistics tracking, Document tracking, Shipping/receiving

OPERATIONAL	
Light Source	630 nm visible LED
Optical System	2,088 pixels CCD
Depth of Field	0 – 20 mm (UPC/EAN 100%, PCS=90%)
Width of Field	80 mm
Scan Rate	100 scans per second
Minimum Bar Width	0.125 mm (5 mil) (0.1mm actually)(Code 39, PCS=90%, contact)
Print Contrast	30% @ UPC/EAN 100%
Indicators (LED)	Blue LED
Beeper Operation	Programmable tone & beep time
System Interfaces	Keyboard, RS-232C, HID USB, wand
PHYSICAL	
Height	61.5 mm
Depth	169.7 mm
Width	88.8 mm
Weight	100 g (cable excluded)
Cable	Standard 2m straight
POWER	
Input Voltage	5 VDC $\pm$ 10%
Operating Current	70 mA typical
REGULATORY	
EMC	CE & FCC DOC compliance, VCCI, BSMI
ENVIRONMENTAL	
Operating Temperature	0°C – 50°C (32°F – 122°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)
Humidity	5% – 95% RH (non-condensing)
Light Levels	Max. 3,000 Lux (fluorescence)
Shock	Designed to withstand 1.5m drops
DECODING CAPABILITY	
1D Barcodes	UPC/EAN/JAN, UPC/EAN with supplementary, JAN 8 & JAN 13, ISBN/ISSN, Code 39, Code 39 with full ASCII, trioptic Code 39, Codabar (NM7), Code 128, Code 128 with full ASCII, Code 93, Interleaved 2 of 5 (ITF), Addendum 2 of 5, IATA Code, MSI/Plessey, China Postal Code, Code 32
Options	Japanese Bookland EAN, Industrial 2 of 5, Standard 2 of 5, Discrete 2 of 5, Matrix 2 of 5, Code 11

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