

1500 series

Scanners from CipherLab



	Linear Imager	Laser	2D Imager	
Category	Corded 1500, 1500WA	1502	1504	
RF Communication of Bluetooth® scanner	Bluetooth® cordless 1560	1562	1564	
	Module	Bluetooth® Class 2 (2.4 GHz) Version 2.0+EDR		
	Coverage	90 m ² / 295 ft. line of sight		
	Standard profile	SPP, HID		
Performance	Optical sensor	2500 pixels	Laser	752 x 480 pixels
	Light source	Red LED 625 nm (1560: Red LED 618-626 nm)	Visible laser diode at 650 ± 15 nm	625 ± 5 nm LEDs (2x)
	Resolution	3 mil	4 mil	3 mil - 1D barcode / 5 mil - 2D barcode
	Depth of field 13 mil barcode	0.5 to 35 cm / 0.2 to 13.8 in. (1500WA: long barcode 8.2 cm, 8 mil- 7.5 to 14.5cm / 3 to 5.7 in.)	2 to 57 cm / 0.8 to 22.4 in.	Code 39 3 mil: 6.9 to 10.7 cm / 2.7 to 4.2 in. Code 39 5 mil: 3.6 to 18.5 cm / 1.4 to 7.3 in. Code 39 7.5 mil: 0 to 25.1 cm / 0 to 9.9 in. UPCA 13 mil: 4 to 30.5 cm / 1.6 to 12 in. Code 39 20mil: 0 to 40 cm / 0 to 19.7 in. PDF417 5 mil: 2.8 to 4.5 cm / 1.1 to 1.8 in. PDF417 6.67 mil: 4.8 to 17.5 cm / 1.9 to 6.9 in. PDF417 10 mil: 0 to 22.9 cm / 0 to 9 in. PDF417 15 mil: 0 to 29.7 cm / 0 to 11.7 in.
	Scanning angle	Pitch ± 70° Skew ± 70°	Pitch ± 65° Skew ± 50°	Pitch ± 60° Skew ± 60°
	PCS	Minimum 30%	Minimum 45%	Minimum 30%
	Scan rate	200 scans, decodes / second (1500WA: 100 scans / second)	100 scans / second	60 frames / second
	Ambient illumination	100,000 lux		
	Hands-free scanning	Auto-sense and continuous modes	Continuous mode	Auto-sense mode, and presentation mode
	Barcodes support	Codabar, Code 39, Code 93, Code 128, GS1 DataBar (RSS), Industrial 2 of 5, Interleave 2 of 5, ISBT-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC-A, UPC-E, EAN-8, EAN-13, GS1-128 (EAN-128)		1D: All major codes ² 2D: PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal Dutch Postal (KIX)
	Programmable features	Data editing, interface selection, symbology configuration		
	Language support	US and UK English, French, Italian, Belgian, Norwegian/Swedish, Spanish, Portuguese, German, Japanese and Turkish		
	Physical	Dimension L x W x H	15.3 x 6.1 x 9.3 cm / 6.0 x 2.4 x 3.7 in.	
Weight without cable / with battery		145 g / 5.1 oz. (1560: 173 g / 6.1 oz.)	1502: 149 g / 5.2 oz. 1562: 177 g / 6.2 oz.	1504: 154 g / 5.4 oz. 1564: 185 g / 6.5 oz.
Color		Black		
Switch		Tactile Switch		
Electrical	Memory for Bluetooth® scanner reserver buffer / batch mode	4 K / 512 K		10 K / 4 M
	Working hours for Bluetooth® scanner	24 / 12 hours depending on the CCD Sensor mode setting (Always Active function disabled/ Always Active function enabled, default setting)	24 hours based on 1 scans / 5 seconds	16 hours based on 1 scans / 5 seconds
	Voltage	+5 V ± 10% / 3.7 V 800 mAh Li-ion battery		
	Power consumption ³ Standby / Operating	50 mA / 265 mA (1560: 45 mA / 270 mA)	1502: 35 mA / 210 mA 1562: 25 mA / 210 mA	1504: 30 mA / 280 mA 1564: 35 mA / 230 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	Operating: 10% to 90% Storage: 5% to 95%		
	Impact resistance	1.5 m (4.9 ft) multiple drops onto concrete (1560: 1.2 m (3.9 ft) multiple drops onto concrete)	1.2 m (3.9 ft) multiple drops onto concrete	
	Ingress protection	IP30		
	Electrostatic discharge	±8 kV contact ±15 kV air		
EMC regulation	1500: BSMI, CE, C-tick, FCC, IC, KC 1500WA: BSMI, CE, C-tick, FCC, IC 1560: BSMI, CE, C-tick, FCC, IC, KC, NCC, SRMC, TELEC	1502: BSMI, CE, C-tick, FCC, IC, KC 1562: BSMI, CE, C-tick, FCC, IC, KC, NCC, SRMC, TELEC	1504: BSMI, CE, C-tick, FCC, IC, KC 1564: BSMI, CE, C-tick, FCC, IC, NCC, KC, SRMC, TELEC	
Configuration	Setup options include Windows-based ScanMaster software, by direct connection or printing out barcode settings			
Accessories	USB, RS232 and keyboard wedge cables, hands-free adjustable stand Three-way desk/wall/auto-sense stand with optional weighted base, communication stand for Bluetooth® scanner provides Bluetooth® communication for up to 7 scanners, single battery charger for Bluetooth® scanner			
Warranty	5 years (1560: 3 years)		3 years (engine 1 year)	

1.It is based on communication stand without weighted base. 2.All of the barcodes that 1500 series 1D scanners can read except French Pharmacode, Plessey, and Telepen. 3.The data is tested with USB interface.



HEADQUARTERS
CipherLab Co., Ltd.
12F, 333 Dunhua S. Rd., Sec.2
Taipei, Taiwan 10669
Tel +886 2 8647 1166
Fax +886 2 8732 3300
www.cipherlab.com

CipherLab China
J Room, 4F, No.728 West Yan'an
Road, Changning District, Shanghai
China 200050
Tel +86 21 3368 0288
Fax +86 21 3368 0286

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

CipherLab Central Europe
Willicher Damm 145
41066 Mönchengladbach
Germany
Tel +49 2161 56230 0
Fax +49 2161 56230 22