

# 1500 series

## General Handheld Scanner



		1500P / 1500WA	1560P	1502	1562	1504B	1504A	1564A	
Category		Linear Imager		Laser		2D Imager			
		Corded	Bluetooth® Class 2 (2.4 GHz) Version 4.0+EDR	Corded	Bluetooth® Class 2 (2.4 GHz) Version 2.1+EDR	Corded		Bluetooth® Class 2 (2.4 GHz) Version 4.0+EDR	
RF Communication of Bluetooth® scanner	Coverage	--	90 m <sup>2</sup> / 295 ft. line of sight	--	90 m <sup>2</sup> / 295 ft. line of sight	--		90 m <sup>2</sup> / 295 ft. line of sight	
	Standard profile	--	SPP, HID	--	SPP, HID	--		SPP, HID	
Performance	Optical sensor	2500 pixels		Laser		1280 x 800 pixels	752 x 480 pixels		
	Light source	Red LED 625 nm	Red LED 618-626 nm	Visible laser diode at 650 ± 15 nm		White LED (2x)	625 ± 5 nm LEDs (2x)		
	Resolution	3 mil		4 mil		3 mil - 1D barcode / 5 mil - 2D barcode			
	Depth of field	Code 39 3 mil	6.9 to 10.7 cm / 2.7 to 4.2 in.		Code 39 4 mil: 1 to 4 cm / 0.4 to 1.6 in.		3.5 to 9.5 cm / 1.4 to 3.7 in.	6.9 to 10.7 cm / 2.7 to 4.2 in.	
		Code 39 5 mil	6 to 17 cm / 2.4 to 6.7 in.		1 to 12 cm / 0.4 to 4.7 in.		3.5 to 14.5 cm / 1.4 to 5.7 in.	3.6 to 18.5 cm / 1.4 to 7.3 in.	
		UPCA 13 mil	4 to 40 cm / 1.6 to 15.7 in.		1.5 to 51.5 cm / 0.6 to 20.3 in.		6 to 34 cm / 2.4 to 13.4 in.	4 to 30.5 cm / 1.6 to 12 in.	
		PDF417 5 mil	--		--		3 to 10.5 cm / 1.2 to 4.1 in.	7.1 to 11.4 cm / 2.8 to 4.5 in.	
		QR Code 10 mil	--		--		2 to 16 cm / 0.8 to 6.3 in.	2.5 to 16.5 cm / 1.0 to 6.5 in.	
	"Long barcode 8.2 cm, 8 mil"	1500P : 10 to 20 cm / 3.9 to 7.9 in 1500WA : 7.5 to 14.5 cm / 3 to 5.7 in		--		--	--		
	Scanning angle	Pitch ± 70° Skew ± 70°		Pitch ± 65° Skew ± 50°		Pitch ± 60° Skew ± 60°			
	Minimum PCS	25% (1500WA: 30%)		45%		30%			
	Scan rate	520 scans/ second (1500WA: 100 scans/ second)		100 scans/ second		30 scans/ second	60 scans/ second		
	Ambient illumination	100,000 lux							
	Hands-free scanning	Auto-sense and continuous modes		Continuous mode		Auto-sense and presentation modes			
	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 / EAN / GS1-128, and more				1D: All of the barcodes that 1500 series 1D scanners can support 2D: PDF417, MicroPDF417, DataMatrix, QR code, Micro QR code		1D: All of the barcodes that 1500 series 1D scanners can support except French Pharmacodes, Plessey and Telepen 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	1500P: 149 g / 5.2 oz. 1500WA: 145 g / 5.1 oz.	173 g / 6.1 oz.	149 g / 5.2 oz.	177 g / 6.2 oz.	149g / 5.2 oz.	154 g / 5.4 oz.	185 g / 6.5 oz.	
	Color	Black							
	Switch	Tactile Switch							
Electrical	Memory for Bluetooth® scanner receiver buffer / batch mode	--	4 K / 512 K	--	4 K / 512 K	--	--	10 K / 4 MB	
	Working hours for Bluetooth® scanner	--	36 hours based on 1 scan / 5 seconds	--	24 hours based on 1 scan / 5 seconds	--	--	26 hours based on 1 scan / 5 seconds	
	Voltage	+5 V ± 10% / 3.7 V 800 mAh Li-ion battery							
	Power consumption <sup>2</sup> Standby / Operating	1500P: 20 mA / 286 mA 1500WA: 50 mA / 265 mA	20 mA / 250 mA	35 mA / 210 mA	25 mA / 210 mA	50 mA / 280 mA	22mA / 150 mA	22mA / 166 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	1.2 m (3.9 ft) multiple drops onto concrete						
	Ingress protection	IP30							
	Electrostatic discharge	±8 kV contact ±15 kV air							
	Regulatory Compliance	BSMI, CE, RCM, FCC, IC	BSMI, CE, RCM, FCC, IC, NCC, SRMC, JRL	BSMI, CE, RCM, FCC, IC, KC	BSMI, CE, RCM, FCC, IC, KC, NCC, SRMC, JRL	BSMI, CE, RCM, FCC, IC, KC		BSMI, CE, RCM, FCC, IC, KC, NCC, SRMC, JRL	
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	3 years	3 years (engine 1 year)		3 years	3 years (engine 1 year)			

1. It is based on communication stand without weighted base. 2. 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 Electronics Trading (Shanghai) Co., Ltd.**  
 J Room, 4F, No.728 West Yan'an Rd.  
 Changning District, Shanghai  
 China 200050  
 Tel +86 21 3368 0288  
 Toll Free 400 920 0285  
 Fax +86 21 3368 0286

**CipherLab USA Inc.**  
 2552 Summit Avenue STE 400  
 Plano, Texas, USA 75074  
 Tel +1 469 241 9779  
 Toll Free 888 300 9779  
 Fax +1 469 241 0697

**CipherLab Europe**  
 Flight Forum 40,  
 5657 DB Eindhoven,  
 The Netherlands  
 Tel +31 40 295 1510