

**CIPHER LAB**  
Smarter

# 1500 series



## **General Handheld Scanner**

Bringing retail productivity and performance up to speed, the 1500 series of scanners offers powerful reliability with efficiency. Ideal for a wide range of applications from retail to healthcare and post offices, the 1500 scanner is not only advanced, but its ergonomic design also provides extreme durability – day in, day out.



# 1500 series

## General Handheld Scanner



		1500P	1560P	1502	1562	1504P	1504A	1564A	
Category		Linear Imager		Laser		2D Imager			
		Corded	Bluetooth® Class2(2.4GHz) Version 4.0+EDR	Corded	Bluetooth® Class2(2.4GHz) Version 2.1+EDR	Corded		Bluetooth® Class2(2.4GHz) Version 4.0+EDR	
RF Communication of Bluetooth® scanner	Coverage	--	90m' / 295ft. line of sight	--	90m' / 295ft. line of sight	--		90m' / 295ft. line of sight	
	Standard profile	--	SPP, HID	--	SPP, HID	--		SPP, HID	
Performance	Optical sensor	CCD Linear Sensor 2500 pixels		Laser		CMOS Image Sensor 1280 x 800 pixels	CMOS Image Sensor 1280 x 960 pixels		
	Light source	Red LED 625 nm	Red LED 618-626 nm	Visible laser diode at 650 ± 15 nm		Warm White LED (2x)	White LED (1x)		
	Resolution	3 mil		4 mil		3 mil - 1D barcode / 5 mil - 2D barcode			
	Depth of field	Code 39 3mil	6.9 to 10.7 cm / 2.7 to 4.2in.		Code 39 4 mil: 1 to 4 cm / 0.4 to 1.6 in.		4 to 9cm/ 1.6 to 3.5in.		6.5 to 17 cm / 2.5 to 6.6in.
		Code 39 5mil	6 to 17 cm / 2.4 to 6.7in.		1 to 12 cm / 0.4 to 4.7in.		3 to 14.5cm/ 1.2 to 5.7in.		5 to 20.5 cm / 1.9 to 8in.
		UPCA 13mil	4 to 40 cm / 1.6 to 15.7in.		1.5 to 51.5 cm / 0.6 to 20.3in.		3.5 to 30cm/ 1.4 to 11.8in.		5.5 to 40 cm / 2.1 to 15.7in.
		PDF417 5mil	--		--		3 to 10.5cm/ 1.2 to 4.1in.		7.5 to 12 cm / 2.9 to 4.7in.
		QR Code 10mil	--		--		2 to 16cm/ 0.8 to 6.3in.		4 to 27.5 cm / 1.5 to 10.8in.
	Long barcode 8.2 cm, 8mil	1500P: 10 to 20m/ 39 to 79in		--		--		--	
	Scanning angle	Pitch ± 70° Skew ± 70°		Pitch ± 65° Skew ± 50°		Pitch ± 60° Skew ± 60°			
	Minimum PCS	25%		45%		25%		20%	
	Scan rate	520 scans/ second		100 scans/ second		60 scans/ second		30 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, Aztec, Maxicode		1D: All of the barcodes that 1500 series 1D scanners can support 2D: PDF417, MicroPDF417, Data Matrix, QR code, Micro QR Code, Aztec, MaxiCode, Han Xin Code, 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.	173 g / 6.1 oz.	149 g / 5.2 oz.	177 g / 6.2 oz.	149g / 5.2 oz.	144 g / 5.1 oz.	172 g / 6.1 oz.	
	Color	Black							
	Switch	Tactile Switch							
Electrical	Memory for Bluetooth® scanner reserver 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: 20mA / 286mA	20 mA / 250 mA	35 mA / 210mA	25 mA / 210 mA	60 mA / 420 mA	25mA / 270 mA	25mA / 300 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	®								
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									

1. It is based on communication stand without weighted base. 2. The data is tested with USB interface.



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