CIPHER LAB
Smarter

2500 series

Precise Performance Built with Durable Toughness

With higher demands for updated scanning abilities in many industries such as retail, warehousing and light industry, CipherLab has attentively designed the durable 2500 series handheld scanner as your solution. CipherLab' s 2500 series provides superior scanning abilities that allow users to consistently capture data faster. Along with business-rugged durable designs, its high performance is combined with the ability to easily connect to computer interfaces. Users can enjoy fast workflow without any worries. All of these features make the 2500 series an obvious choice for efficient operations in applications such as receiving, point of sale, shipping, inventory checking and work in process.

LINEAR IMAGER | 2D IMAGER | 3MIL BARCODE | 1.8M MULTIPLE DROPS | IP65 | CORDED | Bluetooth®

2500 series

Business-Rugged Handheld Scanner

Model		2500	2560	2504	2564	2504MR	2564MR
Category		Linear Imager		2D Imager		2D Imager	
		Corded	*Bluetooth®* V4.0 Dual mode (2.1+EDR/BLE)	Corded	*Bluetooth®* V4.0 Dual mode (2.1+EDR/BLE)	Corded	*Bluetooth®* V4.0 Dual mode (2.1+EDR/BLE)
RF Communication of *Bluetooth®*-Scanner	Coverage[1]	--	100 m¹ / 328 ft. line of sight	--	100 m¹ / 328 ft. line of sight	--	100 m¹ / 328 ft. line of sight
	Standard profile		SPP, HID, GATT		SPP, HID, GATT		SPP, HID, GATT
Performance	Optical sensor	CCD Linear Sensor 2500 pixels		CMOS Image Sensor 1280x800 pixels		CMOS Image Sensor 1280 x 960 pixels	
	Light source	Red LEDs 625 nm (2X)		Warm White LEDs (2x)			
	Resolution	3 mil		3 mil- 1D barcode / 5 mil - 2D barcode			
	Depth of field	Code 39 3 mil : 3 to 10 cm / 1.2 to 3.9 in. Code 39 5 mil : 2 to 14 cm / 0.8 to 5.5 in. UPCA 13mil : 0.5 to 38 cm / 0.2 to 15 in. Code 39 20mil : 1.5 to 60 cm / 0.6 to 23.6 in.		Code 39 3 mil : 4 to 10 cm / 1.6 to 3.9 in. Code 39 5 mil : 3.5 to 17 cm / 1.4 to 6.7 in. UPCA 13 mil : 4 to 28 cm / 1.6 to 11 in. PDF417 5 mil : 3.5 to 10.5 cm / 1.4 to 4.1 in. QR Code 10 mil : 1.5 to 16.5 cm / 0.6 to 6.5 in.		Code 128 5 mil : 18.5 to 37.5 cm / 7.3 to 14.8 in. PDF 417 5 mil : 21 to 26.5 cm / 8.3 to 10.4 in. Data Matrix 7.5 mil : 17 to 35 cm / 6.7 to 13.8 in. Data Matrix 10 mil : 15.5 to 45.5 cm / 6.1 to 17.9 in. UPCA 13 mil : 8 to 94 cm / 3.2 to 37 in. Code 39 100 mil : 28 to 425 cm / 11 to 167.3 in. Data Matrix 160 mil : 29.5 to 384 cm / 11.6 to 151.2 in.	
	Scanning angle	Pitch ± 70° Skew ± 70°		Pitch ± 70°, Skew ± 60°		Pitch ± 60°, Skew ± 60°	
	Minimum PCS	15%		20%			
	Scan rate	578 scans/ second		60 scans/second			
	Ambient illumination	100,000 lux					
	Hands-free scanning	Auto-sense and continuous modes		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, Code 11 and more		1D: All of the bacodes that 2500 series 1D scanners can support 2D: PDF417, MicroPDF417, Data Matrix, QR code, Micro QR Code, Aztec, MaxiCode, Han Xin Code		1D: All of the bacodes that 2500 series 1D scanners can support except French Pharmacodes, Plessey and Telepen 2D: PDF417, MicroPDF417, Composite, TLC-39, Datamatrix, 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, Swiss German, Japanese, Turkish, Hungarian, Danish					
Physical	Dimension L x W x H	16.1 x 6.6 x 9.6 cm / 6.3 x 2.6 x 3.8 in.					
	Weight (without cabe/ with battery)	145 g / 4.9 oz.	185g / 6.5 oz.	145 g / 4.9oz.	185g / 6.5 oz.	166 g / 5.9 oz	198 g / 7.0 oz.
	Color	Black, Register White					
	Switch	Tactile Switch					
Electrical	Memory for *Bluetooth®* scanner reserver buffer / batch mode	--	10 K / 4 MB	--	10 K / 4 MB	--	10 K / 4 MB
	Working hours for *Bluetooth®*-Scanner	--	55 hours based on 1 scan / 5 seconds	--	24 hours based on 1 scan / 5 seconds	--	25 hours based on 1 scan / 5 seconds
	Voltage	3.7 V 800mAh Li-ion battery		3.7 V 800mAh Li-ion battery 3.7V 3000 mAh Li-ion battery (On request)		3.7 V 800mAh Li-ion battery	
	Power consumption [2] Standby / Operating	20 mA / 255 mA	12 mA / 250 mA	55 mA / 400mA	30 mA / 600 mA	16 mA/ 270 mA	17 mA/ 280 mA
User Environment	Temperature	Operating: 0 °C to 50°C / 32°F to 122°F Storage: -40°C to 70°C / -40°F to 158°F (w/o battery)					
	Humidity	Operating: 10% to 90% Storage: 5% to 95%					
	Impact resistance	1.8 m mutliple drops onto concrete, 1000 (1 m) tumbles					
	Ingress protection	IP65					
	Electrostatic discharge	±10 kV contact ±20 kV air					
	Regulatory compliance	FCC, IC,CE, RCM, BSMI, KC	FCC, IC, CE, RCM, JRL BSMI, NCC, KC, SRMC	FCC, IC,CE, RCM, BSMI, KC	FCC, IC, CE, RCM, JRL BSMI, NCC, KC, SRMC	FCC, IC,CE, RCM, BSMI, KC	FCC, IC, CE, RCM, BSMI, NCC, KC, SRMC
		REACH, WEEE, ErP, Eurpoe RoHS, Taiwan RoHS, China RoHS					
Configuration		Setup options include Windows®-based ScanMaster software, Support OPOS Standards					
Accessories		USB, RS232 and keyboard wedge cables, hands-free adjustable stand Communication cradle with battery charger option(*Bluetooth®* connection up to 7 scanners), single battery charger for *Bluetooth®* scanner					
Warranty		5 year		3 year		3 year (engine 1 year)	

1. It is based on communication cradle. 2. The data is tested with USB interface.

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