CIPHERLAB
Smarter

2500
series

Precise Performance Built with Durable Toughness

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.

Superior Scanning Capabilities Create Ease of Mind

The 2500 series features a high-speed read rate of a snappy 578 scans per second on 1D barcodes. For small-item applications, it has the ability to read high-density 1D barcodes up to 3-mil and 2D barcodes up to 5-mil on tiny objects. Built with a scan beam of 3mm in width from 15 cm away, the 2500 series eases its aiming for scanning and prevents the probabilities of misreads. It is also capable of reading low contrast images, such as barcodes that are poorly printed or printed on reflective surfaces, down to PCS (Print Contrast Signal) 15%. Another important advantage the 2500 series possess is the ability to scan barcodes shown on mobile phones.

Durable Designs with Comfortable Operation

The CipherLab 2500 series has passed the IP testing and rated a durable IP54 that is dust protected and able to sustain water splashing. It also has a 1.8m drop resistance that offers continuous functionality without the stressful worries of accidental falls onto rough surfaces. Moreover, the device comes with an optional tether plate and wrist strap which enables users to attach the device to a mounting bracket or around the user's wrist.

Easy Deployment Generate Faster Workflow

CipherLab's 2500 series features the capabilities for users to connect their host systems by using USB, RS232 and keyboard wedge interface cables. With the appropriate interface cable connected to a computer, the 2500 series can automatically detect the cables and allow the users to easily access the information acquired.

User Friendly Features of the 2500 Series

The CipherLab's 2500 series provide flexibility for its users with its features. It comes with a built-in Bluetooth that keeps the device connected to a computer up to a line-of-sight distance of 100 meters. The Bluetooth scanner users can easily move around its working area while still being connected. Its built-in removable battery can easily provide 24 hours of continuous work and offer an ideal solution for businesses that need extended hours of operations.

2500 /series

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

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 m[1] / 328 ft. line of sight	--	100 m[1] / 328 ft. line of sight	--	100 m[1] / 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 / 4.9 oz.	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 / 400 mA	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.