



Superior Performance Simplifying Industrial Applications with Reliable Durability

CipherLab's 2500 series scanner instantly updates your business data collection process with a 578 scan rate, IP65 rating, 1D/2D reader option, and automatic cable detection. It seamlessly combines its superior scanning performance with business-rugged designs. Additionally, the 2500 series scanner provides easy deployment and corded/Bluetooth* connections for users to enjoy. More than just these advantages, its enhanced ESD (electrostatic discharge) protection, built-in removable battery and other user-friendly features help take your scanning experience to new and higher levels.



Superior Scanning Capabilities Create Ease of Mind

The 2500 series 1D and 2D scanner is a device built with superior scanning capabilities that provide easy operations. It features a high-speed read rate of a snappy 578 scans per second on 1D barcodes. For small-item applications, the 2500 series 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. The thin scan beam works extremely well when barcodes are placed close to each other. On top of it all, it is 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 as well as support extended-rage barcode capturing from 5.6 cm to 21.3 meters, offering incredible flexibility for personnel needing to scan barcodes on high shelves or close-up. With these advantages, CipherLab 2500 series users can easily collect data with all of its superior and up-to-date scanning resources.



The CipherLab 2500 scanner has been thoroughly tested for its durability. It has passed the IP testing and rated a durable IP65 that is dust protected and able to sustain water splashing. These features come in handy with harsher conditions of high humidity. The 2500 series also has a 1.8m drop resistance that offers continuous functionality without the stressful worries of accidental falls onto rough surfaces. Our 2564ER, in particular, is a scanner







with a military-grade protective cover specifically designed for demanding environments such as warehouses and manufacturing plants. 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. All of the 2500 series' durability is ultimately coupled with comfortable operational designs to create a productive experience for its users.

Easy Deployment Generate Faster Workflow

CipherLab's 2500 series 1D and 2D scanners are built with the intentions of fast and easy deployments for its users. It 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.



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 up to 75 hours of continuous work and offer an ideal solution for businesses that need extended hours of operations.

Its enhanced ESD (electrostatic discharge) protection can handle up to ± 10 kV(contact), ± 20 kV (air) of ESD surge which protects sensitive electronic damages caused by electronic discharge events. Simply put, the CipherLab 2500 series is a durable device with superior features that will update your business to new grounds.













Model		2500	2560	2504	2564	2504SR	2564SR		
Model									
Category		Linear Imager Bluetooth®V4.0 Dual mode		2D Imager	(SM2) Bluetooth®V4.0 Dual mode	2D Imager (SE4107) Bluetooth®V4.0 Dual mode			
		Corded	(2.1 + EDR/ BLE)	Corded	(2.1 + EDR/ BLE)	Corded	(2.1 + EDR/ BLE)		
RF Communication of Bluetooth scanner	Coverage	_	100 m/ 328 ft. line of sight	_	100 m/ 328 ft. line of sight	_	100 m/ 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 1280 x 800 pixels		CMOS Image Sensor 1280 x 960 pixels			
	Light source	Red LED 625 nm (2X)		Warm White LEDs (2x)		Warm White LEDs (1x)			
	Resolution	3 mil		3 mil: 1D barcode / 5 mil: 2D barcode		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 13 mil: 0.5 to 38 cm/ 0.2 to 15 in. Code 39 20 mil: 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 39 3 mil: 7 to 17 cm / 2.8 to 6.7 in. Code 39 5 mil: 6.5 to 23.5 cm / 2.6 to 9.3 in. Code 128 5 mil: 7.5 to 22 cm / 3 to 8.7 in. PDF417 7 mil: 4 to 19 cm / 1.6 to 7.5 in. Data Matrix 10 mil: 7.5 to 21 cm / 3 to 8.3 in. UPCA 13 mil: 5 to 49 cm / 2 to 19.3 in. Code 39 15 mil: 3.5 to 28 cm / 1.4 to 11 in. Code 39 20 mil: 3.5 to 60 cm / 1.4 to 23.6 in.			
	Scanning angle	Pitch ± 70° Skew ± 70°		Pitch ± 70°, Skew ± 60°		Pitch ± 60°, Skew ± 60°			
	Minimum PCS	15%		25%		20%			
	Scan rate	578 scans/ second		60 scans/second		30 scans/second			
	Ambient illumination	100,000 lux							
	Hands-free scanning	·							
	Barcodes support	Codabar, Code 39, Code 93, Code 128, GS1 DataBar (RSS), Industrial 2 of 5, Interleave 2 of 5, ISBT-128, Code 32 (Italian Pharmacode), French Pharmacode, 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 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, Swiss German, Japanese, Turkish, Hungarian, Danish							
	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)	145g / 4.9 oz.	185g / 6.5 oz.	145g / 4.9 oz.	185g / 6.5 oz.	166g / 5.9 oz.	209g / 7.0 oz.		
hysical	Color	143g / 4.9 0Z.	103g / 0.3 0z.	Black, Regis	·	100g / 3.9 02.	209g / 1.0 02.		
	Switch			Tactile S					
	User Indicators	LEDs, beeper							
	Memory for Bluetooth scanner reserve buffer / batch mode	-	10 K / 4 MB	-	10 K / 4 MB	-	10 K / 4 MB		
	Working hours for Bluetooth scanner	-	60 hours based on 1 scan / 5 seconds	-	35 hours based on 1 scan / 5 seconds	-	75 hours based on 1 scan / 5 seconds		
Electrical	Voltage	-	3.7 V 3000 mAh Li-ion battery	-	3.7 V 3000 mAh Li-ion battery	-	3.7 V 3000 mAh Li-ion battery		
	Power consumption ² Standby / Operating	20 mA / 255 mA	12 mA / 250 mA Charging Time: 6 hours	55 mA / 400 mA	30 mA / 600 mA Charging time: 6 hours	16 mA / 270 mA	17 mA / 280 mA Charging time: 6 hours		
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 (Wo battery)							
	Humidity	Operating: 10% to 90% Storage: 5% to 95%							
	Impact resistance								
	Ingress protection								
	Electrostatic	±10 kV contact ±20 kV air							
	discharge Regulatory	FCC, IC,CE, RCM	FCC, IC, CE, RCM BSMI, NCC, KC, SRMC	FCC, IC,CE, RCM	FCC, IC, CE, RCM	FCC, IC,CE, RCM	FCC, IC, CE, RCM BSMI, NCC, KC, SRMC		
	compliance	BSMI, KC BSMI, NCC, KC, SRMC REACH, WEEE, ErP, Eurpoe ROHS, Taiwan ROHS, China ROHS							
Configuration		Setup options include Windows® -based ScanMaster software							
			US	B. RS232 and keyboard wedge ca	bles, hands-free adjustable star	nd			
Accessories			unication cradle with battery ch	arger option (Bluetooth® connection up to 7 scanners), single batt		tery charger for Bluetooth® scanner			
Warranty		5 years	5	3 years		3 years (engine 1 year)			





Model		• 2504SR	• 2564SR	2504MR	2564MR	2564ER		
0.1		2D Imager (SE4750 SR)		2D Imager (SE4750 MR)		2D Imager (SE4850)		
G	ategory	Corded	Bluetooth®V4.0 Dual mode (2.1 + EDR/ BLE)	Corded	Bluetooth®V4.0 Dual mode (2.1 + EDR/ BLE)	Bluelooth®V4.0 Dual mode (2.1 + EDR/ BLE)		
RF Communication of Bluetooth scanner	Coverage	_	100 m/ 328 ft. line of sight		100 m/ 328 ft. line of sight	100 m/ 328 ft. line of sight		
	Standard profile		SPP, HID, GATT	-	SPP, HID, GATT	SPP, HID, GATT		
Performance	Optical sensor	CMOS Image Sensor 1280 x 960 pixels		CMOS Image Sensor 1280 x 960 pixels		CMOS Image Sensor 1280 x 800 pixels		
	Light source	Warm White LEDs (2x)		Warm White LEDs (2x)		Hyper Red 660 nm LED		
	Resolution	3 mil: 1D barcode / 5 mil: 2D barcode		3 mil: 1D barcode / 5 mil: 2D barcode		3 mil: 1D barcode / 5 mil: 2D barcode		
	Depth of field	Code 39 3 mil: 7.5 to 13.8 cm / 3 to 5.4 in. Code 128 5 mil: 5 to 19.6 cm / 2 to 7.7 in. PDF417 5 mil: 7 to 15 cm / 2.8 to 5.9 in. PDF417 7 mil: 6 to 19.5 cm / 2.4 to 7.7 in. Data Matrix 10 mil: 3 to 22.4 cm / 1.2 to 8.8 in. UPCA 13 mil: 4 to 58.4 cm / 1.6 to 23 in. Code 128 15 mil: 55 to 63.4 cm / 2.2 to 25 in. Code 39 20 mil: 3.5 to 89.2 cm / 1.4 to 35.1 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 / 13.2 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.		Code 99 10mil 7 62 to 215 9cm/ 3 0 to 85 in. UPCA 13 mil: 8.89 to 250 cm 13.5 to 90 in. Code 128 15mil: 8.96 to 242 to 254 cm 16.0 to 100 in. Code 92 20mil: 10.16 to 48.88 cm/ 4.0 to 172 in. Code 99 20mil: 10.16 to 48.88 cm/ 4.0 to 172 in. Code 99 40mil: 15.24 to 88.83 cm/ 4.0 to 172 in. Code 99 47mil: 15.24 to 88.83 cm/ 7.0 to 430 in. Code 99 47paer) 100mil: 25.08 to 1778cm/ 20 to 700 in. Code 128 (46 cm/ 100mil: 50.80 to 1778cm/ 20 to 700 in. Code 128 (46 cm/ 100mil: 12.7 to 14.3 cm 15.0 to 45 in. Data Matrix 10 mil: 12.7 to 435 cm / 5.0 to 250 in. Code 128 (46 cm/ 11.27 to 435 cm / 5.0 to 250 in. Code 128 (46 cm/ 11.27 to 435 cm / 5.0 to 250 in.		
	Scanning angle			Pitch ± 60°, Skew ± 60°				
	Minimum PCS	20%		20%		25%		
	Scan rate	60 scan	s/second	60 scan	s/second	30 fps (Near) 55fps(Far)		
	Ambient illumination			100,000 lux		55.ps(. a.)		
	Hands-free scanning			Auto-sense and pres	entation modes			
	Barcodes support	can support, but not su Plessey and Telepen 2D: PDF417, MicroPDI Matrix, QR code, Micro Han Xin Code Postal Codes: US PostN	that 2500 series 1D scanners pport French Pharmacodes, F417, Composite, TLC-39, Data QR code, Aztec, MaxiCode, et, US Planet, UK Postal, Postal Dutch Postal (KIX)	1D: All of the bacodes that 2500 series 1D scanners can support, but not support French Pharmacodes, Plessey and Telepen 2D: PDF417, MicroPDF417, Composite, TLC-39, 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)		1D: All of the bacodes that 2500 series 1D scanners can support, but not support French Pharmacodes, Plessey and Telepen 2D: PDF417, MicroPDF417, Composite, TLC-39, Datamatrix, OR code, Micro OR code, Aztec, MaxiCode, Han Xin Code Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal Dutch Postal (KUX)		
	Programmable features		Dat	a editing, interface selection, symbology configuration				
	Language support	US and UK English, F	rench, Italian, Belgian, Norwegia	an, Swedish, Spanish, Portuguese, German, Swiss German, Japanese, Turkish, Hungarian, Danish				
	Dimension L x W x H		16.1 x 6.6 x 9.6 cm / 6.3	x 2.6 x 3.8 in.		16.5 x 8.3 x 10.3 cm / 6.5 x 3.3 x 4.0 in		
Dhysical	Weight (without cabe/ with battery)	187g / 5.9 oz	241g / 7.0 oz.	187g / 5.9 oz.	241g / 7.0 oz	320.3g/ 11.3 oz.		
Physical	Color		gister White		gister White	Black		
	Switch	Tactile Switch		Tactile		Switch		
	User Indicators	Vibration (adjustable) , LEDs, beeper		Vibration (adjustab				
	Memory for Bluetooth scanner reserve buffer / batch mode	-	10 K / 4 MB	-	10 K / 4 MB	10 K / 4 MB		
Flootrical	Working hours for Bluetooth scanner	•	75 hours based on 1 scan / 5 seconds	-	75 hours based on 1 scan / 5 seconds	24 hours based on 1 scan / 5 seconds		
Electrical	Voltage	-	3.7 V 3000 mAh Li-ion battery	-	3.7 V 3000 mAh Li-ion battery	3.7 V 3000 mAh Li-ion battery		
	Power consumption ² Standby / Operating	16 mA / 270 mA	17 mA / 280 mA Charging time: 6 hours	16 mA/ 270 mA	17 mA/ 280 mA Charging time: 6 hours	20 mA /450mA Charning time: 6 hours		
	Temperature		Operating: 0 °C to 5	50°C / 32°F to 122°F Storage:		(w/o battery)		
	Humidity	Operating: 10% to 90% Storage: 5% to 95%		Operating: 10% to 90% Storage: 5% to 95%				
	Impact resistance	1.8 m mutliple drops onto concrete, 1000 (1 m) tumbles		1.8 m mutliple drops onto concrete, 1000 (1 m) tumbles				
User	Ingress protection	IP65		IP65				
Environment	Electrostatic discharge	±10 kV contact ±20 kV air		±10 kV contact ±20 kV air				
	Regulatory	FCC, IC, CE, RCM BSMI, KC	FCC, IC, CE, RCM BSMI, NCC, KC, SRMC	FCC, IC, CE, RCM BSMI, KC	FCC, IC, CE, RCM BSMI, NCC, KC, SRMC	FCC, IC, CE, RCM, BSMI, NCC		
	compliance	REACH, WEEE, ErP, Eurpoe RoHS, Taiwan RoHS						
Configuration		Setup options include Windows® -based ScanMaster software						
Accessories			ard wedge cables, hands-free adjustable st	and Communication cradle with battery charger option attery charger for Bluetooth® scanner		Communication cradle with battery charger option (Bluetooth® connection up to 7 scanners), single battery charger for Bluetooth® scanner		
Warranty		3 years (er	ngine 1 year)	3 years (engine 1 year)		3 years (engine 1 year)		
		radia 2. The data is tested with LISR interface						

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



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