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 constantly capture data faster. Along with business rugged 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.

**Performance**

- **Language support**: US and UK English, French, Italian, Belgian, Norwegian, Swedish, Spanish, Portuguese, German, Swiss German, Japanese, Turkish, Hungarian, Danish.
- **Applications**: Support except French Pharmacodes, Plessey and Telepen, Heavy industry, Postal, Japan Postal Dutch Postal (KIX)
- **(binary options include Windows®-based ScanMaster software.**

**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 (without battery).
- **Humidity**: Operating: 10% to 90%, Storage: 5% to 95%.
- **Impact resistance**: 1.8 m multiple drops onto concrete, 1000 (1 m) tumbles.
- **Ingress protection**: IP54.
- **Electrical safety**: ±10 K V contact ±20 K V air.
- **Regulatory compliance**: FCC, CE, COM, BSMI, KC, REACH, WEEE, Eup, RoHS, TiW 2008, China RoHS.

**Configuration**

- **Usb**: Requires keyboard wedge cable, hands-free adjustable stand.
- **Communication cable with battery charger option (Bluetooth® connection up to 7 scanners), single battery charger for Bluetooth® scanner.

**Warranty**

- 3 year
- 3 year
- 5 years (3 years for German)

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**Builder Rugged Handheld Scanner**

**Model**

- 2560
- 2504
- 2504R
- 2504MR
- 2504MR

**Category**

- Linear Imager
- 2D Imager
- 3D Imager

**Depth of field**

- Code 1D: 3 to 10 cm / 1.2 to 3.9 in.
- Code 2D: 5 to 10 cm / 2.0 to 3.9 in.
- Code 3D: 20 to 40 cm / 7.9 to 15.7 in.
- Code QR Code: 10 to 20 cm / 3.9 to 7.9 in.

**Resolution**

- Scanning: 3 mil / 10 barcodes / 5 min / 20 barcode

**Ambient illumination**

- 100,000 lux.

**Power Consumption**

- 35 hours
- 56 hours
- 70 hours

**Memory**

- 10 k / 4 MB

**Dimensions**

- 192 x 65 x 92 mm / 7.6 x 2.6 x 3.6 in.

**Weight**

- 415 g / 0.9 lb.

**Display**

- Black, white

**Switch**

- Tactile Switch

**Temperature**

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**Humidity**

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**Impact resistance**

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**Ingress protection**

- IP54.

**Electrical safety**

- ±10 K V contact ±20 K V air.

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**Image 1 of 11 to 808**
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. With these advantages, CipherLab 2500 series users can easily collect data with all of its superior and up-to-date scanning resources.

Durable Designs with Comfortable Operation

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.

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.

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.

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.
Superior Performance Simplifying Industrial Applications with Reliable Durability

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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 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.

Performance

- **Depth of field**
  - Code 39: 2-14 cm / 0.8 to 5.5 in.
  - Code 128: 3.5 to 17 cm / 1.4 to 6.7 in.
  - PDF 417: 5-10 cm / 2 to 4 in.
  - QR Code: 10 cm / 4 in.

- **Scanning angle**
  - Pitch: ±70°
  - Yaw: ±60°

- **Ambient light tolerance**
  - 100,000 lux

- **Barcode support**
  - 1D: All of the barcodes that 2500 series 1D scanners can support
  - 2D: PDF417, MicroPDF417, Data Matrix, QR Code, Micro QR Code, Arctic, MacCode, HexX Code

- **Memory**
  - 10 K / 4 MB

- **Power consumption**
  - Operating: 30 mA / 250 mA
  - Standby: 10 mA / 20 mA

- **User Environment**
  - Temperature: Operating: 0°C to 50°C / 32°F to 122°F
  - Humidity: Operating: 10% to 90%
  - Impact resistance: 1.8 m multiple drops onto concrete, 1000 (1 m) tumble

- **Configuration**
  - Setup options include Windows®-based ScanMaster software, Support OPOS Standards

- **Accessories**
  - USB, RS232 and keyboard wedge cables, hands-free adjustable stand

- **Model**
  - 2588
  - 2590
  - 2594
  - 2594R
  - 2584R
  - 2584R

- **Category**
  - Linear Image
  - 2D Image
  - 3D Image