SYMBOL DS3500-ER SERIES

MAXIMUM PERFORMANCE, PRODUCTIVITY, SCANNING RANGE AND RUGGED DESIGN

RAPIDLY SCAN 1-D AND 2-D BAR CODES AT NEARLY ANY RANGE — FROM NEAR TO FAR
Warehouses in distribution centers and manufacturing plants, warehouse-style retail stores, outdoor lumber yards and pipelines all have one thing in common — the need to scan different types of bar codes across a wide range of distances. The DS3500-ER Series of full range corded and cordless scanners allows you to do just that — capture bar codes from near contact to as far as 30 ft./9.14 m away. With this single device, workers can scan an item in hand or an item on the tallest rack in the warehouse. The need to purchase multiple types of devices to capture different types of bar codes at different distances is eliminated, so you can boost productivity and minimize your investment.

DELIVERING THE ULTIMATE IN SPEED
When it comes to performance, you can expect the same superior scanning experience that has made Zebra the world’s leader in bar code technology. Easily read bar codes under several layers of shrinkwrap — without any impact on read speed. Workers can also hold the trigger down to continuously scan items. It doesn’t matter how well lit an area is — the DS3500-ER Series can read bar codes in darkness or in bright sunlight. And you can easily format the data for easy integration into your existing systems, without costly modification of host software.

BUILT TO LAST IN THE HARSHEST INDUSTRIAL ENVIRONMENTS
With Zebra’s maximum rugged specifications, the DS3500-ER Series can handle whatever comes its way during the workday. Indoors and outdoors, you can drop it on concrete, cover it in dust or grease, spray it with high pressure jets of water or expose it to extreme temperatures with the same result — day-in and day-out reliable operation.

For more information on how you can put the DS3500-ER Series to work in your organization, please visit us on the web at www.zebra.com/ds3500er or access our global contact directory at www.zebra.com/contact

SPECIFICATIONS CHART

<table>
<thead>
<tr>
<th>PHYSICAL CHARACTERISTICS</th>
<th>CRADLES¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>STB 3508 and FLB 3508</td>
</tr>
<tr>
<td>7.34 in. L x 4.82 in. W x 2.93 in. D</td>
<td>Power Reqs. : 4.75-14 VDC</td>
</tr>
<tr>
<td>18.65 cm H x 12.25 cm W x 7.43 cm D</td>
<td>Typical current draw:</td>
</tr>
<tr>
<td>Weight</td>
<td>Not charging : 35 mA @5V, 45 mA @9V</td>
</tr>
<tr>
<td>DS3508-ER (without cable): 12.8 oz. (363 grams)</td>
<td>Fast rate charge² : 915 mA @5V,</td>
</tr>
<tr>
<td>DS3578-ER: 13.79 oz. (391 gm)</td>
<td></td>
</tr>
</tbody>
</table>

¹Please check with Zebra’s authorized resellers for availability.
²Specifications are subject to change without notice.
Battery
DS3578 only: 2200 mAh Lithium Ion Battery (note that DS3508 does not require a battery)

Battery Charge Time
Fully charged (100%) in 4.5 hours

Color
Twilight Black/Yellow

PERFORMANCE CHARACTERISTICS

Light Source
Aiming pattern: 650nm visible laser diode
Illumination: 630nm LED

Roll/Pitch/Yaw
360°, ±60°, ±60°

Motion Tolerance
Up to 60 in./sec. (1.52m/sec.) for 100% 13 mil UPC; motion tolerance will vary depending on code type, scan distance and print quality

USER ENVIRONMENT

Operating Temp
-4° F to 122° F/-20° C to 50° C

Storage Temp
-40° F to 140° F/-40° C to 60° C

Humidity
5% to 95% relative humidity, non-condensing

Sealing
Sealed to IP65 specifications

Drop Specifications
Functions normally after repeated 6.5 ft. (2 m) drops to concrete

Radio Specification

Radio
Bluetooth Class II Version 2.1, Serial Port and HID Profiles

Frequency
2.402 to 2.480 GHz adaptive frequency hopping and co-existence with 802.11 wireless networks

Data Rate
720 Kbps

Radio Range
Radio range: Up to 300 ft. (100m) direct line of sight in open air. typical indoor cordless range is 100 ft. (33m), but range will vary depending upon environment

Interfaces

Supported
USB, RS-232, RS-485 (IBM 46xx Protocols), Keyboard Wedge

Electrostatic Discharge (ESD):
+/- 15kV air discharge and +/-8kV contact discharge

REGULATORY

Electrical Safety
UL60950-1, CSA C22.2 No. 60950-1, EN 60950-1 / IEC 60950-1

Laser Safety
EN 60825-1, IEC 60825-1, 21CFR1040.10, CDRH Class II, IEC Class 2

EMI/RFI
FCC Part 15 Class B, ICES-003 Class B, EN 55022, EN 55024, AS/ NZS 4268:2008, Japan VCCI

Environmental
Compliant with RoHS directive 2002/95/EC

OPTIONS

Accessories
Holster; tool balancer pulley (tethered); standard cradle (charge only; radio/charge); forklift cradle (charge only; radio/charge)

SYMBOLOGY DECODE CAPABILITY

1-D Codes

Captures bar codes under multiple layers of shrinkwrap as well as codes that are damaged, scratched or dirty

Scan in darkness or in bright sunlight:
Maintain productivity in any lighting

Continuous scanning mode:
Depress and hold trigger to keep scanning — no pausing between scans

Advanced data formatting:
Enables sophisticated formatting of scanned data before it is sent to the host, eliminating the high cost of modifying your host application
Expanded, Expanded Stacked, Inverse, Base 32 (Italian Pharmacode)

PDF417 (and Variants)
PDF417 (Standard, Macro), microPDF417 (Standard, Macro), Composite Codes (CC-A, CC-B, CC-C)

2-D Codes
TL C-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro)

Postal
U.S. Postnet, U.S. Planet, U.K. Postal, Japan Postal, Australian Postal, Dutch Postal, 4 State Postal

IIUD Support
Supports IIUD parsing — the ability to read and separate IIUD fields per application requirements

**DS3500-ER SERIES DECODE ZONE**

<table>
<thead>
<tr>
<th>Code 39 - 7.5 mil</th>
<th>Near: 8.5 in./21.6 cm</th>
<th>Far: 34 in./86.4 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code 39 - 10 mil</td>
<td>Near: 8 in./20.3 cm</td>
<td>Far: 42 in./106.7 cm</td>
</tr>
<tr>
<td>Code 39 - 20 mil</td>
<td>Near: *</td>
<td>Far: 88 in./223.5 cm</td>
</tr>
<tr>
<td>Code 39 - 55 mil</td>
<td>Near: *</td>
<td>Far: 205 in./520.7 cm</td>
</tr>
<tr>
<td>Code 39 - 100 mil</td>
<td>Near: *</td>
<td>Far: 335 in./851.0 cm</td>
</tr>
</tbody>
</table>

* Dependent upon length of bar code

The DS3500-ER Series is warranted against defects in workmanship and materials for a period of 3 years (36 months) from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions.

**RECOMMENDED SERVICES**

Service from the Start Advance Exchange Support

**NOTES**

1. Cradles STB/FLB3508 and STB/FLB3578 are utilized with the DS3578. (The DS3508 does not use a cradle; it is tethered to the host.) In addition, STB/FLB3508 is a charge-only cradle with no communication capabilities.
2. Requires an external power supply.
3. Cradle defaults to slow rate charge when an external supply is not used.

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