



## General Purpose Handheld Linear Imager Bar Code Reader with Bluetooth® Wireless Technology

The QuickScan reader series is Datalogic Scanning's value line of general purpose handheld data collection products. The QS6500BT linear imaging reader is the highest performing cordless member of the QuickScan family. Featuring Bluetooth® wireless technology and a 10 m / 33 ft cordless range, the QS6500BT can eliminate the cables that limit operator movement and create safety concerns in the workplace. Optionally, the reader can transmit data to the host through its base station as well as any commercial or embedded Bluetooth® v1.2 compliant device.

For increased productivity, an innovative charging-base station allows the product to scan bar codes while its battery is charging. Deep Sleep Mode provides the option to program durations of inactivity to additionally save battery power and

increase the number of scans between charges. Simply press the trigger to wake up the reader. A Leash Mode reduces the risk of hand sets being stolen, misplaced or accidentally moved out of its base station proximity: A beeper alarm sounds upon a dropped link or if the reader is out of the area. Reading a bar code on the back of the base station re-establishes the connection.

All of the most popular interfaces are supported in every unit including IBM, USB, KBW, and RS-232, and switching interfaces is as easy as changing cables. The QS6500BT's configuration program provides user-friendly features to visualize the reader's configuration, create and duplicate special configurations and access and easily manipulate advanced label editing options. Flash memory allows for easy software upgrades of operating software and new symbologies or updates for existing symbologies are easily added.



### Features

- Aggressive reading performance up to 450 scans/second
- Bluetooth Wireless Technology with up to 10 m / 33 ft range
- Excellent depth of field up to 38.1 cm / 15.0 in reading on 100% UPC labels
- Multi-interface solution supports all popular host terminal interfaces
- Supports GS1 DataBar™ and additional support for PDF417, Micro-PDF and UPC/EAN Composites on select models
- Flash memory for easy software upgrades in the field
- Water and Particulate Sealing Rating: IP52
- Drop resistance to 1.5 m / 4.9 ft



## Specifications

### CORDLESS COMMUNICATIONS

#### BLUETOOTH WIRELESS TECHNOLOGY

Protocol: Bluetooth 1.2 Certified Class 2  
Radio Frequency: 2.4 GHz  
Radio Range (Open Air): 10.0 m / 32.8 ft

### DECODING CAPABILITY

#### 1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

#### STACKED CODES

Code 16K; EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417; UPC A/E Composites

### ELECTRICAL

#### BATTERY

Battery Type: Lithium-Ion, 800 mAh  
Charge Time: External Power: Slow Charge Cradle: 8 Hours; Standard Charge Cradle: 2.5 Hours  
Reads per Charge: 33,000

#### CRADLE INDICATOR LEDS CURRENT

Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)  
Operating (Typical): 220 mA @ 5 VDC, 120 mA @ 10 VDC

#### INPUT VOLTAGE

Charging: 1,200 mA @ 5 VDC, 480 mA @ 10 VDC  
Slow Charge Cradle: 500 mA @ 5 VDC  
+4.5 to 14 VDC +/- 5%

### ENVIRONMENTAL

#### AMBIENT LIGHT

80,000 lux

#### DROP RESISTANCE

Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface

#### ESD PROTECTION (AIR DISCHARGE)

25 kV

#### HUMIDITY (NON-CONDENSING)

5 - 95%

#### PARTICULATE AND WATER SEALING

IP52

#### TEMPERATURE

Operating: 0 to 50 °C / 32 to 122 °F  
Storage/Transport: -40 to 70 °C / -40 to 158 °F

### INTERFACES

IBM 46xx; Keyboard Wedge; OEM (IBM) USB; RS-232; USB; Wand; Multiple Interfaces Available

### PHYSICAL CHARACTERISTICS

#### COLORS AVAILABLE

Black; Grey

#### DIMENSIONS

Cradle: 7.4 x 9.4 x 15.5 cm / 2.9 x 3.7 x 6.1 in  
Reader: 18.0 x 7.4 x 11.2 cm / 7.1 x 2.9 x 4.4 in

#### WEIGHT

Cradle: 340.2 g / 12.0 oz  
Reader: 280.0 g / 9.9 oz (With Batteries)

### READING PERFORMANCE

#### IMAGER SENSOR

CCD Solid-state 2048 pixels

#### LIGHT SOURCE

Illumination: 630 nm Visible Red Diode

#### PRINT CONTRAST RATIO (MINIMUM)

30%

#### READ RATE (MAXIMUM)

450 reads/sec.

#### READING ANGLE

Pitch: +/- 60°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 55°

#### READING INDICATORS

Beeper (Adjustable Tone); Good Read LED

#### RESOLUTION (MAXIMUM)

0.130 mm / 5 mils

### READING RANGES

#### TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.  
Printing resolution, contrast, and ambient light dependent.  
5 mils: 5.0 to 11.4 cm / 2.0 to 4.5 in  
7.5 mils: 2.5 to 16.2 cm / 1.0 to 6.0 in  
10 mils: 0 to 26.7 cm / 0 to 10.5 in  
13 mils / 100% UPC: 0 to 33.0 cm / 0 to 13.0 in  
20 mils: Up to 53.3 cm / 21.0 in  
40 mils: Up to 89.0 cm / 35.0 in

### SAFETY & REGULATORY

#### AGENCY APPROVALS

The product meets necessary safety and regulatory approvals for its intended use.

The Quick Reference Guide for this product can be referred to for a complete list of certifications.

#### ENVIRONMENTAL COMPLIANCE

Complies to China RoHS; Complies to EU RoHS

#### LED CLASSIFICATION

IEC 60825 Class 1 LED

### UTILITIES

#### OPOS / JAVAPOS

JavaPOS Utilities are available for download at no charge  
OPOS Utilities are available for download at no charge

### WARRANTY

3-Year Factory Warranty



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