

# QuickScan® QS6500BT

Linear Imager Featuring **Bluetooth®** Wireless Technology



## At A Glance

*"The QS6500BT feels good to our cashiers and they notice faster reading of our products compared to our older handheld scanner."*

— Store Manager, Leading Retailer

FEATURES	BENEFITS
Extremely fast 450 scans per second read rate	Increases checkout productivity and improves customer service by reducing the scan time especially on hard-to-read or damaged bar code labels: <ul style="list-style-type: none"> <li>• Up to five times faster than most laser scanners</li> </ul>
Bluetooth radio technology	Provides inexpensive means of improved checkout efficiency and ergonomics without the use of proprietary RF communications: <ul style="list-style-type: none"> <li>• The QS6500BT takes advantage of the industry standard for short range RF communication by using Bluetooth's latest version communications</li> <li>• Utilizes Bluetooth's Version 1.2 RF technology that reduces radio interference in existing RF networks</li> <li>• Up to 33 feet / 10 meters cordless range for scanning freedom</li> <li>• Eliminates the cable, the highest failing component, increasing reliability</li> </ul>
Aggressive linear Imaging	Increases checkout productivity by: <ul style="list-style-type: none"> <li>• Fast, ergonomic scanning of all supported symbologies</li> <li>• Easily reads virtually all 1D symbologies as well as stacked 2D codes like PDF-417 and Micro PDF-417</li> <li>• Excellent reading of poor, damaged, &amp; other typically hard-to-read labels</li> </ul>
Solid-state electronics	Reduced TCO (total cost of ownership) for the user while increasing performance and improving operational efficiency: <ul style="list-style-type: none"> <li>• Designed with no moving parts that makes it more durable than competitive laser scanners with moving mirrors</li> </ul>
Multiple interfaces in every unit	All of the most popular interfaces are supported in every unit which increases flexibility while protecting the user's investment: <ul style="list-style-type: none"> <li>• Includes IBM, USB, KBW, and RS-232 interfaces in every unit</li> <li>• Provides an easy, low cost migration path – simply scan programming label and change cable</li> <li>• Simplifies and reduces costs of inventory for resellers</li> </ul>

### Accessories

- Hands Free Stand
- Counter Holder/Wall Mount
- Power supplies & cords
- Service options

### Alternative PSC Solutions (non-Bluetooth)

- QuickScan QS6500
- QuickScan QS2500



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## Data Sheet



### Mechanical

Dimensions	Scanner	Base Station
Height	7.1" / 18.0 cm	2.9" / 7.4 cm
Width	2.9" / 7.4 cm	3.7" / 9.4 cm
Length	4.4" / 11.2 cm	6.1" / 15.5 cm
Weight	8.0 oz / 226.8 g	12.0 oz / 340.2 g

### Environmental

#### Temperature Rating

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

#### Humidity

Operating: 5 to 95% NC  
Storage/Transport: 5 to 95% NC

#### Shock

Withstands multiple 5' / 1.5 m drops to concrete

#### Vibration

Meets MIL STD-810E

#### Water & Dust

IEC 60529 rating IP52DW

### Electrical

Operating Voltage: +4.5 to 14VDC ±5%

#### Current

Operating: 220mA @ 5VDC or 120 mA @ 10V  
Charging: 1,200mA @ 5VDC or 480 mA @ 10V

Battery: Li-Ion 800 mAh, user replaceable

Charge: via Cradle, full charge in 2.5 hours

Scans per charge: over 33,000

### Optical

#### Ambient Light Immunity

Artificial & Sunlight: 80,000 Lux

Light Source: 630nm Visible Red Diode

Scan Rate: 450 scans/sec max

Sensor: 2048 pixel linear imager

Scan Width: 6.3" / 16.5 cm @ 7" / 17.8 cm from nose

Depth of Field: Refer to Chart below

Resolution: 5 mils / .13 mm

Print Contrast: 30% or greater

Pitch: ±60°

Skew: ±55°

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE*
5 mils	2.0 - 4.5' / 5 - 11.4 cm
7.5 mils	1.0 - 6.0' / 2.5 - 16.2 cm
10 mils	0 - 10.5' / 0 - 26.7 cm
13 mils / 100% UPC	0 - 13' / 0 - 33 cm
20 mils	Up to 21' / 53.3 cm
40 mils	Up to 35' / 89 cm

\* Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

### Wireless Communications

Protocol: Bluetooth 1.2 certified Class 2

Frequency: 2.4 GHz Spread Spectrum with Adaptive Frequency hopping

Range: Class 2: up to 30' / 10 m

### Host Communications

- RS-232
- Keyboard Wedge
- IBM 46XX
- IBM USB
- USB
- Wand Emulation

### Decoding Capability

- UPC A, E / EAN 8, 13 / JAN 8, 13 Add-ons (sub 2 or P2, sub 5 or P5 & CI28)
- Codabar/NW7
- Code 11
- Code 16K
- Code 93
- Code 128
- UK/Plessey
- MSI/Plessey
- Code 39 (full ASCII)
- RSS-14, Expanded, Stacked, Limited
- ISBN / Bookland EAN
- Pharmacode 39
- Interleaved 2 of 5
- Standard 2 of 5
- IATA
- PDF-417
- Micro-PDF
- RSS Composites

### Safety & Regulatory

Electrical: Complies to: Gost R; UL; cUL; IEC60950

Emissions: Complies to: FCC-A; EN 55022-B; CISPR-22; VCCI-B

Radio: FCC Part 15C, R and TTE, IC and IDA.

For RF Approved countries, please contact PSC.

Laser Classification: IEC 60825 Class 1 LED

Restriction of Hazardous Substances: Complies to EU RoHS



### Features:

- Aggressive linear imaging performance with 450 scans per second
- Bluetooth certified wireless communication with 33' / 10 m range
- Upright charging cradle position enables hands-free scanning
- Out-of-range anti-theft alarm
- Durable design is built tough to withstand common abuse for many years
- Flash memory for easy software upgrades
- Multi-interface base station supports all popular host terminal interfaces
- Supports RSS and PDF-417 for future industry compatibility
- User replaceable lithium-ion battery
- More than 33,000 scans per charge.



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