

# QuickScan® QS6500BT

Linear Imager Featuring **Bluetooth®** Wireless Technology

## Data Sheet



### 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
- Batch mode allows items out-of-range to be scanned and automatically transferred to host terminal when in-range re-established
- User replaceable battery

### 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 1,000 mAh, User replaceable

**Charge:** via Cradle, full charge in 3.5 hours

### 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*
	PDF MODELS
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

**ID Version**  
 UPC-A, E / EAN 8, 13 / JAN 8, 13 Add-ons (sub 2 or P2, sub 5 or P5 & C128)  
 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 Models support these additional symbologies:**

RSS Composites  
 PDF-417  
 Micro-PDF

### 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



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