

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 9.1 m / 30 ft 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 GSI DataBar™ (formerly RSS) and PDF417 for future industry compatibility
- User replaceable lithium-ion battery
- More than 33,000 scans per charge
- Slow charging base station option available for USB (power off terminal)

Mechanical

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

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 1.5 m / 5 ft drops to concrete

Vibration: Meets MIL STD-810E

Water & Dust: IEC 60529 rating IP52DW

Electrical

Operating Voltage: +4.5 to 14 VDC ±5%

Current

Operating: 220 mA @ 5 VDC or 120 mA @ 10 V
Charging: 1,200 mA @ 5 VDC or 480 mA @ 10 V
(Slow charging base station option: 500 mA @ 5 VDC)

Battery: Li-Ion 800 mAh, user replaceable

Charge: via Cradle, full charge in 2.5 hours
(Slow charging base station: full charge in 8 hours)

Scans per charge: over 33,000

Optical

Ambient Light Immunity

Artificial & Sunlight: 80,000 Lux

Light Source: 630 nm Visible Red Diode

Scan Rate: 450 scans/sec max

Sensor: 2048 pixel linear imager

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

Depth of Field: Refer to Chart below

Resolution: .15 mm / 5 mils

Print Contrast: 30% or greater

Pitch: ±60°

Skew: ±55°

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

* 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 10 m / 30 ft

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 & C128)
- Codabar/NW7
- Code 11
- Code 16K
- Code 93
- Code 128
- UK/Plessey
- PDF417
- ISBT 128
- GSI DataBar™ Expanded, Stacked, Limited and Composites
- Code 39 (full ASCII)
- MSI/Plessey
- ISBN / Bookland EAN
- Pharmacode 39
- Interleaved 2 of 5
- Standard 2 of 5
- 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 Datalogic Scanning

Laser Classification: IEC 60825 Class 1 LED

Restriction of Hazardous Substances: Complies to EU RoHS



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