



- ✓ Fast capture of codes from mobile phone displays and loyalty cards
- ✓ Innovative lighting and aiming system for reduced visual stress
- ✓ Patented "Green Spot" technology for read confirmation
- ✓ Captures linear barcodes and 2D codes
- ✓ Bluetooth and Datalogic STAR radio system for easy point-to-point connection

## Features

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**Readable codes:** 1D, 2D, Post, Stack

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**Reading distance:** 0.5 - 35 cm

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**Aiming:** Target triangles

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**Feedback:** LED, Beeper, Green Spot

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**Connectivity:** Keyboard Wedge, RS-232, USB / Bluetooth / Wireless

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**Battery:** 30,000 readings per charge

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**Protection:** IP42, drop protection 1.5 m

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**Operating temperature:** 0 - 50 °C

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**Dimensions:** 41 x 91 x 163 mm

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**Weight:** 145 /200 g

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## Optional accessories

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**Autosense stand**

QS-240-AST-B

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**Swan-neck stand**

QS-240-ST-B

## DECODING CAPABILITY

<b>1D / Linear Codes</b>	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
<b>2D Codes</b>	Aztec Code; Aztec Mesas; Data Matrix; MaxiCode; QR Code, Micro QR Code; China Han Xin Code
<b>Postal Codes</b>	Australian Post; British Post; Canadian Post; China Post; Japanese Post; IMB; KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
<b>Stacked Codes</b>	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites

## ELECTRICAL

<b>Current</b>	Operating (Typical): 170 mA @ 5 VDC Standby/Idle (Typical): 90 mA @ 5 VDC
<b>Input Voltage</b>	5 VDC +/- 10%

## ENVIRONMENTAL

<b>Ambient Light</b>	Up to 92,000 lux
<b>Drop Resistance</b>	Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface.
<b>ESD Protection (Air Discharge)</b>	16 kV
<b>Humidity (Non-Condensing)</b>	0 - 95%
<b>Particulate and Water Sealing</b>	IP42
<b>Temperature</b>	Operating: 0 to 50 °C / 32 to 122 °F Storage/Transport: -20 to 70 °C / -4 to 158 °F

## INTERFACES

<b>Interfaces</b>	QW2470-BK: RS-232/Keyboard Wedge QW2420-BK: USB
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## PHYSICAL CHARACTERISTICS

<b>Colors Available</b>	Black
<b>Dimensions</b>	7.1 x 17.1 x 6.6 cm / 2.8 x 6.7 x 2.6 in
<b>Weight</b>	120 g / 4.2 oz

## READING PERFORMANCE

<b>Image Sensor</b>	Field of View: 48 x 37° (H x V) Wide VGA: 640 x 480 pixels
<b>Light Source</b>	Aiming: 1 Blue LED; Illumination: White LED 350 - 770 nm
<b>Motion Tolerance</b>	20 IPS
<b>Print Contrast Ratio (Minimum)</b>	20%
<b>Reading Angle</b>	Pitch: +/- 65°; Roll (Tilt): +/- 360°; Skew (Yaw): +/- 65°
<b>Reading Indicators</b>	Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
<b>Resolution (Maximum)</b>	Code 39: 4 mils: 0.102 mm PDF417: 6.6 mils: 0.168 mm QR/Data Matrix: 7.5 mils: 0.191 mm

## READING RANGES

<b>Typical Depth of Field</b>	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. Code 39: 5 mils: 0.5 to 12.5 cm / 0.2 to 4.9 in EAN/UPCA: 13 mils: 0.5 to 30.0 cm / 0.2 to 11.8 in PDF417: 6.6 mils: 1.0 to 9.5 cm / 0.4 to 3.7 in Data Matrix: 10 mils: 1.0 to 9.5 cm / 0.4 to 3.7 in QR: 20 mils: 1.0 to 14 cm / 0.4 to 5.5 in
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## SAFETY & REGULATORY

<b>Agency Approvals</b>	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 list of certifications.
<b>Environmental Compliance</b>	Complies to China RoHS; Complies to EU RoHS

## UTILITIES

<b>Datalogic Aladdin™</b>	Datalogic Aladdin configuration program is available for download at no charge.
<b>OPOS / JavaPOS</b>	OPOS and JavaPOS utilities are available for download at no charge.
<b>Remote Host Download</b>	Lowers service costs and improves operations (-RM models only)

## WARRANTY

<b>Warranty</b>	3-Year Factory Warranty
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## CORDLESS COMMUNICATIONS

BLUETOOTH WIRELESS TECHNOLOGY	Piconet: Max. Readers per Radio Receiver Using Commercial Dongle: 7; Using Cradle: 1
PROFILES	HID (Human Interface Device) SPP (Serial Port Profile)
PROTOCOL	Bluetooth 3.0 Certified Class 2
RADIO FREQUENCY	2.4 GHz
RADIO RANGE (OPEN AIR)	25.0 m / 82.0 ft Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results.
SECURITY	Data Encryption; Scanner Authentication

## DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D CODES	Aztec Code; Aztec Mesas; Data Matrix; MaxiCode; QR Code, Micro QR Code; China Han Xin Code
POSTAL CODES	Australian Post; British Post; Canadian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
STACKED CODES	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites

## ELECTRICAL

BATTERY	Battery Type: Lithium-Ion 1400 mAh Charge Time: External Power: < 3 hrs @ 12 VDC; Reads per Charge: 30,000+
INPUT VOLTAGE	4.75 - 14 VDC

## ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
DROP RESISTANCE	Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface.
ESD PROTECTION (AIR DISCHARGE)	16 kV
HUMIDITY (NON-CONDENSING)	5 - 95%
PARTICULATE AND WATER SEALING	IP42
TEMPERATURE	Operating: 0 to 50 °C / 32 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

## INTERFACES

INTERFACES	Keyboard Wedge / OEM (IBM) USB / RS-232 / USB
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## PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Black, White
DIMENSIONS	16.3 x 9.1 x 4.1 cm / 6.4 x 3.6 x 1.6 in
WEIGHT	Reader: 200 g / 7.1 oz Base/Charger: 230 g / 8.1 oz

## READING PERFORMANCE

IMAGER SENSOR	Wide VGA: 752 x 480 pixels
LIGHT SOURCE	Aiming: 2 Blue LED's; Illumination: Red LED 610 - 650 nm
MOTION TOLERANCE	25 IPS
PRINT CONTRAST RATIO (MINIMUM)	25%
READING ANGLE	Pitch: +/- 65°; Roll (Tilt): 360°; Skew (Yaw): +/- 60°
READING INDICATORS	Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
RESOLUTION (MAXIMUM)	0.102 mm / 4 mils (Linear Codes)

## READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent
	Code 39      5 mils: 0.5 to 15.0 cm / 0.2 to 5.9 in
	EAN/UPCA    13 mils: 0.5 to 35.0 cm / 0.2 to 13.8 in
	PDF417      6.6 mils: 2.0 to 15.0 cm / 0.8 to 5.9 in
	Data Matrix   10 mils: 2.0 to 16.0 cm / 0.8 to 6.3 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

## UTILITIES

DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JAVAPOS	JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no charge.
REMOTE HOST DOWNLOAD	Lowers service costs and improves operations.

## WARRANTY

WARRANTY	3-Year Factory Warranty
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