

Duet™ Dual Action Scanner

Omnidirectional And Handheld Scanning In One!

- **Versatility** – Small footprint for virtually any point-of-sale environment
- **Flexibility** – Hands-free scanning for small, easily handled items, handheld scanning for bulkier items and barcoded Price Lookup (PLU) lists
- **Performance** – Aggressive performance and intuitive operation reduces checker training and speeds checkout for better customer service

One Scanner Does Both Jobs!

With the Duet™ scanner retailers can now scan anything at the point-of-sale; small items, large bulky items, even items that aren't individually bar coded. Now retailers can provide quicker checkouts and enjoy the benefits of increased accuracy of the "scan data". Most items are simply presented or swept in front of the scanner. With the Duet scanner's unique single line capability the need to manually key items without bar codes, such as unpacked or specialty products, is eliminated. Simply direct the pointer beam that exits out the back of the scanner at a bar coded PLU list, target the correct item, press the trigger and the single line captures the data.

This single line capability eliminates misread problems often encountered with other scanners that only have an omnidirectional scan pattern. For large or bulky items you take the lightweight scanner to the bar code just as you would with a handheld scanner. It truly is two scanners in one!

And with the small size and footprint, the Duet scanner fits easily where counter space is limited such as convenience stores, pharmacies and kiosks. Individual operators can adjust the scan angle with the convenient tilting and pivoting base to create a comfortable work environment.



Best in Class Performance

Using an advanced visible laser diode scanning system, the Duet scanner offers a large 9" (22.86 cm) depth of field and wide scan area for higher performance hands-free scanning. With enhanced decoding capabilities the scanner is fast with high first-pass read rates on a variety of bar codes including labels that are long, highly truncated, partially obscured and difficult to read. It also includes the patented PSC Edge™ software which automatically reconstructs torn or disfigured labels. And it reads labels with elements as small as 5 mils (0.13 mm).

This versatile scanner autodiscriminates UPC or EAN plus 5 industrial symbologies and supports P2, P5 and C128 add-ons.

Advanced Ergonomic Design – Easy to Use and Easy on the User

With two scan windows the scanner can easily adapt to either fixed or handheld scanning applications; the omnidirectional pattern for general fixed retail scanning or the single scan line when held in the hand for reading large bulky items or bar coded PLU lists.

When used as a countertop scanner, it is quick and easy to use. Hands-free omnidirectional scanning minimizes the

operator's need to adjust or orient individual items. When used as a handheld scanner, the operator simply picks up the scanner and aims at one single bar code.

The Duet scanner was designed to fit comfortably in the operator's hand with its weight evenly distributed for maximum balance and minimum fatigue. Tactile elastomeric ribs on the back assure a secure grip.

Built to Last – Built to Save

The specially designed case is built to survive multiple drops from a counter top to a concrete floor and resist chipping, stains, or fading on the surface. Maintenance is virtually non-existent – simply clean the scanner and window periodically.

Additional Features

- Smallest and lightest in its class
- EAS compatible
- Modular, interchangeable interfaces
- Power off the terminal
- Extensive programming options
- Data editing

PSC
®

When You Need To Read A Bar Code

Duet™ Dual Action Scanner

SPECIFICATIONS

MECHANICAL

Dimensions	
• Scanner	7.0 x 3.35 x 2.6" (17.8 x 8.4 x 6.6 cm)
• Scanner w/Stand	8.0 x 4.3 x 4.6" (20.3 x 10.9 x 11.6 cm)

Weight	
• Scanner	9.0 ozs. (0.25 kg)
• Base	10.5 ozs. (0.29 kg)
Cable length	8 or 12' (2.4 or 3.5 m) extended

ELECTRICAL

Operating voltage	4.7V to 14.0 V DC; 5.2V to 14 V DC (Universal Wedge version)
Power consumption	3 Watts maximum

DECODING CAPABILITY

UPC A, E / EAN 8,13 / JAN 8, 13
• **Edge™ stitching for UPC A, EAN 13 & JAN**

Add-ons

- **UPC P2, UPC P5, Code 128**

Industrial Codes

- **Code 128**
- **Code 39**
(variable length; fixed length label stitching)
- **Interleaved 2 of 5**
- **Codabar**
- **MSI / Plessey**

2 label read

Full label editing

**Autodiscriminate UPC Edge with Add-ons
& 5 industrials**

OPTICAL

Light source	650nm Visible Laser Diode (VLD)
Scan system	Rotating polygon

Scan pattern

- **Omnidirectional mode** 19 lines out from the front of the scanner
- **Single line mode** 1 line out from the back of the scanner
- **Scan speed** 1,500 lines per second (lps)
- **Scan angles** 5
- **Scan volume** 100 cubic inches

Motor

- **Motor speed** 4,500 rpm
- **Speed to read** (from motor off) <500 ms

Depth of field

- **5 mil label** 1 to 2.5" (2.54 to 6.35 cm)
- **7.5 mil label** 0 to 6.0" (0 to 15.24 cm)
- **10 mil label** 0 to 7.0" (0 to 17.78 cm)
- **13 mil label** 0 to 9.0" (0 to 22.86 cm)

Resolution (minimum)	5 mils (0.13 mm)
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Print contrast ratio	50% minimum
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Label orientation

- **Pitch & Skew** Front Window: ±80°
Back Window: ±45°
- **Roll** Front Window: 0 to 360°
Back Window: ±38°

Ambient light tolerance	200 ft. candles (2100 lux) maximum
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COMMUNICATIONS

RS-232 (standard, SNI, Ack/Nak, Host echo);
IBM 46XX (ports 5b, 9b, E, 17);
OCIA (8 bit, 9 bit, S-P, SNI, NCR);
Standard and Universal
Keyboard Wedges; Wand Emulation

ENVIRONMENTAL

Temperature rating

- **Operating** 32° to 104° F (0° to 40° C)
- **Storage** -40° to 158° F (-40° to 70° C)

Humidity	5 to 95% NC
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Shock (at 23° C)	Withstands five 1 meter drops to concrete
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Vibration	Operates in all normal retail and office environments.
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Water & Dust	Resistant, IEC529 rating IP53
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SAFETY / REGULATORY

Electrical	Gost R; TÜV; UL; cUL
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Emissions	Complies to: FCC-A, 47 CFR Part 15J; BCIQ CNS 13438; EN 55022-B; AS/NZ 3548; VCCI Class B
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Laser classification	CDRH Class IIa; (CAUTION: Laser radiation when open - do not stare into beam); IEC 60825 Class 1
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Specifications subject to change without notice.
For further information, contact your PSC representative.

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