



Orbit 7120plus

Hybrid Presentation Scanner

The Orbit™ 7120plus scanner incorporates breakthrough hybrid technology that combines omnidirectional laser scanning and integrated area-imaging to provide a barcode reading platform optimized for highly efficient checkouts. Like other Orbit scanners, it delivers superior pass-through scanning of merchandise linear barcodes, while simultaneously helping retailers address the growing need for digital barcodes reading – without requiring an additional scanner.

Like other Orbit scanners – the best-selling hands-free scanners of all time – the Orbit 7120plus scanner is an innovative, elegant and affordable solution for convenience retail applications where counter space is at a premium. The award-winning shape enables handheld scanning of large, bulky items. For added flexibility, the scanning head can be tilted within a 30° range to accommodate objects of various sizes and shapes.

The Orbit 7120plus scanner seamlessly works for both merchandise scanning by the cashier, and digital barcodes scanning of mobile payment codes, loyalty cards, coupons and other items on customer smartphones. With the dual-modes design, the scanner is optimized for both applications while eliminating the customer annoyance of a laser when reading barcodes off a digital display.

The Orbit 7120plus is a plug-and-play scanner, and installing it into existing checkout systems is easy. Multiple on-board interfaces make the Orbit 7120plus scanner compatible with most POS systems, and automatic interface detection enables the scanner to configure itself to the appropriate interface upon connection – eliminating the cumbersome task of scanning programming barcodes. The Orbit 7120plus scanner also simplifies integration by drawing power directly through USB, eliminating the need for an additional power supply and cabling.



The Orbit 7120plus scanner is designed for highly efficient retail checkouts, with a unique dual-modes design that enables seamless scanning of both merchandise barcodes and mobile payment barcodes off customer smartphones.

FEATURES & BENEFITS



The Orbit 7120plus scanner integrates both a laser and an imager into a single presentation scanner – no need to buy a separate scanner for printed 1D and digital 1D, 2D and PDF barcodes reading.



With dual-working modes, the scanner is optimized for both scanning digital codes off customer smartphones and scanning merchandise codes by the cashier at the register.



A 20-line omnidirectional laser pattern maintains the proven 1D scanning performance of existing Orbit scanners. With leading Honeywell imaging technology, the scanner reads digital barcodes for mobile payment with ease.



The award-winning shape enables handheld scanning of large, bulky items. The adjustable scan head even allows cashiers to tilt the scanner 30° for targeted scanning of larger products.



Automatic interface detection enables the scanner to configure itself to the appropriate interface upon connection – eliminating the tedious task of scanning programming barcodes.

Orbit7120plus Technical Specifications

MECHANICAL

Dimensions (L x W x H): 108 mm x 103 mm x 148 mm (4.3 in x 4.1 in x 5.8 in)

Weight: 395 g (13.9 oz)

ELECTRICAL

Input Voltage: 5V DC, $\pm 0.25V$

Operating Power: 240 mA @ 5V

Standby Power: 240 mA @ 5V

Host System Interfaces: USB, RS-232, Keyboard Wedge, IBM468xx (RS485)

ENVIRONMENTAL

Operating Temperature: 0°C to 40°C (32°F to 104°F)

Storage Temperature: -40°C to 60°C (-40°F to 140°F)

Humidity: 5% to 95% relative humidity, non-condensing

Drop: Designed to withstand 1.2 m (4 ft) drops

Environmental Sealing: Sealed to resist airborne particulate contaminants

Light Levels:

Laser: 4842 Lux

Imager: 100000 Lux

SCAN PERFORMANCE

Scan Pattern: Hybrid, Omnidirectional Laser (5 fields of 4 parallel lines) and Area Imager (640 x 480 pixel array)

Scan Speed: Omnidirectional: 1120 scan lines per second; FPS: 30

Scan Angle (Imager):

Horizontal: 40.0°

Vertical: 30.5°

Symbol Contrast: 35% minimum reflectance difference

Pitch, Skew:

Laser: 60°, 60°

Imager: 60°, 70°

Decode Capability:

Laser: Reads standard 1D and GS1 DataBar symbologies

Imager: Reads standard digital 1D, PDF and 2D symbologies

Warranty: Three-year factory warranty

TYPICAL PERFORMANCE*

LASER	IMAGER
5 mil Code 39: 0 mm – 50 mm (0 in – 2.0 in)	5 mil Code 39: 0 mm – 70 mm (0 in – 2.8 in)
7.5 mil Code 39: 0 mm – 150 mm (0 in – 5.9 in)	13 mil UPC: 0 mm – 245 mm (0 in – 9.6 in)
10 mil Code 39: 0 mm – 220 mm (0 in – 8.7 in)	6.7 mil PDF417: 0 mm – 70 mm (0 in – 2.8 in)
13 mil UPC: 0 mm – 275 mm (0 in – 10.8 in)	10 mil DataMatrix: 0 mm – 75 mm (0 in – 3.0 in)
26 mil UPC-E: 0 mm – 300 mm (0 in – 11.8 in)	20 mil QR: 0 mm – 200 mm (0 in – 7.9 in)

Resolution: Laser: 5 mil; Imager: 1D: 4 mil, 2D: 6.7 mil

* Performance may be impacted by barcode quality and environmental conditions.

Honeywell



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