

# Orbit 7120/OrbitCG 7180

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## Omnidirectional Laser Scanners

Honeywell's Orbit® series of scanners provide aggressive omnidirectional scanning in an award-winning design for retailers seeking an affordable, aesthetically-pleasing scanning solution.

Orbit, the all-time, best-selling hands-free omnidirectional scanner, presents an innovative, elegant and affordable solution for convenience retail applications where counter space is at a premium.

Compact, lightweight and rugged, Orbit maximizes customer satisfaction and employee efficiency with a patented 20-line scan pattern, an easy-to-find sweet spot and a scan speed of 1,120 scans per second.

Recipient of multiple design honors, Orbit's award-winning shape enables hand-held 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.

For applications that require menu scanning, OrbitCG 7180 combines the power of patented CodeGate® technology with many of the outstanding features already found in the Orbit® 7120. CodeGate technology allows the user to easily target the desired bar code and complete data transmission with the push of a single button.

The scanner's expanded ability to update its firmware via Honeywell's free patented MetroSet®2 configuration software safeguards long-term infrastructure commitments in the event of a change in the POS system or software.

Standard features include an integrated EAS antenna for tag deactivation (OrbitCG 7180 only), power save mode, user-replaceable cables, Honeywell's patented MetroSelect and MetroSet®2 for easy configuration, data editing and OPOS/JPOS compatibility for easy installation.



## Features

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- **20 Scan Line Omnidirectional Pattern:** Provides aggressive scanning as an additional benefit to hand presentation applications
- **Sweet Spot Scanning:** Engineered "sweet spot" to optimize scan performance and first pass read rate
- **Adjustable Scan Head:** Ability to tilt scanner 30° for targeted scanning or larger products
- **Flash ROM:** Protects POS investment with free firmware updates via MetroSet®2 software and standard PC
- **Automatic Scanning Operation:** Simply present a bar code and the unit scans in a single pass
- **Built-in RF EAS Antenna (Orbit 7180 only):** Increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes

# Orbit 7120/OrbitCG 7180 Technical Specifications

## Mechanical

<b>Dimensions (LxWxH)</b>	105 mm x 102 mm x 150 mm (4.1" x 4.0" x 5.9")
<b>Weight</b>	400 g (14.1 oz)

## Electrical

<b>Input Voltage</b>	5 VDC $\pm$ 0.25 V
<b>Operating Power</b>	900 mW (180 mA @ 5 V)
<b>Standby Power</b>	850 mW (170mA @ 5 V)
<b>Host System Interfaces</b>	USB, RS232, Keyboard Wedge, IBM 468xx (RS485), Light Pen Wand Emulation

## Environmental

<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage Temperature</b>	-40°C to 60°C (-40°F to 140°F)
<b>Humidity</b>	5% to 95% relative humidity, non-condensing
<b>Drop</b>	Designed to withstand 1.2 m (4) drops
<b>Environmental Sealing</b>	Sealed to resist airborne particulate contaminants
<b>Light Levels</b>	4842 Lux

## Scan Performance

<b>Scan Pattern</b>	Omnidirectional: 5 fields of 4 parallel lines; button activated single line (7180)
<b>Scan Speed</b>	Omnidirectional: 1120 scan lines per second; single line: 56 scan lines per second (7180)
<b>Print Contrast</b>	35% minimum reflectance difference
<b>Pitch, Skew</b>	60°, 60°
<b>Decode Capability</b>	Reads standard 1D and GS1 DataBar symbologies
<b>Warranty</b>	3 year factory warranty

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance)  
 For a complete listing of all supported bar code symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies)



Typical Performance*	Orbit 7120	Orbit 7180
Narrow Width	Depth of Field	Depth of Field
5.2 mil	0 mm - 50 mm (0" - 2.0")	0 mm - 50 mm (0" - 2.0")
7.5 mil	0 mm - 150 mm (0" - 5.9")	0 mm - 150 mm (0" - 5.9")
10 mil	0 mm - 175 mm (0" - 6.9")	0 mm - 220 mm (0" - 8.7")
13 mil	0 mm - 215 mm (0" - 8.5")	0 mm - 275 mm (0" - 10.8")
26 mil	0 mm - 250 mm (0" - 9.8")	0 mm - 300 mm (0" - 11.8")
*Resolution: 5 mil (0.125 mm) *Performance may be impacted by bar code quality and environmental conditions		



**For more information:**  
[www.honeywellaidc.com](http://www.honeywellaidc.com)

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