

# SP5500 OptimusS

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## Mobile Computer

Honeywell's SP5500 OptimusS™ is a compact portable data terminal designed for retail and light warehouse data collection applications, including inventory, stocking, order-picking and shipping/receiving.

The SP5535 OptimusSBT™ incorporates Bluetooth® connectivity for real-time data transfer and easy integration with any Class 2 Bluetooth® (up to 10 m) peripheral.

OptimusS and OptimusSBT feature navigation and software development tools that make customizing applications for even the toughest data-collection challenges a snap.

Each OptimusS comes with the Optimizer software package to facilitate application development. This graphically-oriented program allows even computer beginners to quickly and easily set up the applications they wish to run on their terminal. There are also several simple utilities for uploading and downloading of data. The entire software suite is designed to make application development a painless process.

Both devices come with software for quick configuration to any mobile computing program or database. Their 2MB of memory accommodate large inventories and rechargeable batteries provide hours of scanning operation (OptimusS: 100 hours; OptimusSBT: 36 hours).



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## Features

- **LCD Display with Backlight and Adjustable Font:** Easy to view screen to accommodate different users and environments
- **Small Form Factor:** Same feature set as bulkier units in a lighter, easier to handle package
- **Cradle Communicates RS232 and USB:** One cradle does both, so a simple cable swap gives users quick-change ability
- **Fully Charged Battery Lasts Approximately 100 Hours:** Minimizes down time; speeds up the inventory process
- **Several Programming Options (Optimizer, BASIC, C):** Accommodates different levels of programming skills from beginner to advanced (SP5500 only)
- **Class 2 Bluetooth Technology (up to 10 m):** Allows real-time data transfer up to 10 meters to a variety of devices

# SP5500 OptimusS Technical Specifications

## Mechanical/Environmental

<b>Dimensions</b>	Terminal: 137 mm x 55 mm x 28 mm (5.4" x 2.2" x 1.1") Cradle: 58 mm x 92 mm x 110 mm (2.3" x 3.6" x 4.3")
<b>Weight</b>	4.9 oz (140g) including batteries
<b>Operating Temperature</b>	0°C to 55°C (32°F to 131°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°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

## System Architecture

<b>Processor</b>	16-bit CMOS, low power consumption
<b>Memory</b>	Program memory: 2 MB flash ROM Data memory: 2 MB SRAM
<b>Display</b>	LCD - 100 x 64 pixels, back-lit
<b>Keypad</b>	21 rubber keys; alpha/numeric, function, scanner
<b>Audio</b>	Programmable buzzer 1 kHz – 4 kHz
<b>I/O Ports</b>	Unit: Cradle IR, Class 2 Bluetooth (optional); Cradle: USB, RS232, Modem cradle (56k)
<b>Battery</b>	Main: 3.7 V, 700 mAh Li-ion rechargeable; Back-up: 3.0 V, 7 mAh Li-ion rechargeable
<b>Decode Capability</b>	Reads standard 1D symbologies
<b>Imager/Scanner</b>	Laser Scanner Visible Laser Diode 650 nm ± 10 nm
<b>Development Environment</b>	Windows-based Optimizer; optional C & BASIC compilers
<b>Warranty</b>	1 year factory warranty

## Wireless Connectivity

<b>WPAN</b>	Class 2 Bluetooth (up to 10 m)
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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)



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

### Honeywell Scanning & Mobility

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Typical Performance*	
Narrow Width	Depth of Field
5.2 mil	70 mm - 95 mm (2.8" - 3.8")
7.5 mil	57 mm - 171 mm (2.3" - 6.8")
10.4 mil	50 mm - 210 mm (2.0" - 8.3")
13 mil	50 mm - 254 mm (2.0" - 10.0")
19.5 mil	75 mm - 300 mm (3.0" - 11.8")

\*Resolution: 5 mil (0.127 mm)  
\*Performance may be impacted by bar code quality and environmental conditions

# Honeywell



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