

# SP5500 OptimusS

## Mobile Computer

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

The SP535 OptimusSBT™ incorporates Bluetooth® connectivity for real-time data transfer and easy integration with any Class 1 Bluetooth® 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 setup 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).

For more information on the SP5500 OptimusS mobile computer, please visit www.honeywell.com/aidc



#### **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 quickchange ability
- Fully Charged Battery Lasts Aproximately 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 1 Bluetooth Technology: Allows real-time data transfer up to 100 meters to a variety of devices

### **SP5500 OptimusS Technical Specifications**

Light Source Visible Laser Diode 650 nm ± 10 nm  Visual Indicators LED: Dual-color; programmable green or red  CPU 16-bit CMOS, low power consumption  Program Memory 1 MB flash ROM  Data Memory 2 MB SRAM  Display LCD - 100 x 64 pixels, back-lit  Display Resolution 8 lines x 16 characters (max), 4 lines x 12 characters (min)  Keypad 21 rubber keys; alpha/rumeric, function, scanner  WPAN (Optional) Class 1 Bluetooth (up to 100 m)  Host System Interfaces Unit: Cradie IR, Class 1 Bluetooth (optional); Cradie: USB, RS232  Application Development Windows-based Optimizer; optional C & BASIC compilers  Wechanical/Electrical  Dimensions (LxWxH) Terminal: 137 mm x 55 mm x 28 mm (5.4" x 2.2" x 1.1"); Cradie: 58 mm x 92 mm x 110 mm (2.3" x 3.6" x 4.3"  Weight 140 g (4.9 oz) - including batteries  Laser Class Class 2: IEC608625-1; EN60825-1  EMC FCC Part 15, ICES-003, EN55022 Class A  Battery Main: 3.7 V, 700 mAh Li-ion rechargeable; Back-up: 3.0 V, 7 mAh Li-ion rechargeable  Expected Charge Time Less than 2 hours  Expected Charge Time Less than 2 hours  Environmental  Operating Temperature 0°C to 55°C (32°F to 131°F)  Storage Temperature 0°C to 55°C (32°F to 140°F)  Humidity 5% to 95% relative humidity, non-condensing  Drop Designed to withstand 1.2 m (4") drops  Scan Pattern Single scan line  Scan Speed 100 scan lines per second  Print Contrast 35% minimum reflective difference  Decorde Capability. Code 39, Code 38, Code 188, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar,	Operational	la companya di mangantan di mang
Visual Indicators  LED: Dual-color; programmable green or red  CPU  16-bit CMOS, low power consumption  1 MB flash ROM  Data Memory  2 MB SRAM  Display  LCD - 100 x 64 pixels, back-lit  Display Resolution  8 lines x 16 characters (max), 4 lines x 12 characters (min)  Keypad  21 rubber keys; alpha/numeric, function, scanner  WPAN (Optional)  Class 1 Bluetooth (up to 100 m)  Host System Interfaces  Unit: Cradie IR, Class 1 Bluetooth (up to 100 m)  Host System Interfaces  Unit: Cradie IR, Class 1 Bluetooth (up to 100 m)  Mechanical/Electrical  Dimensions (LxWxH)  Terminal: 137 mm x 55 mm x 28 mm (5.4" x 2.2" x 1.1"); Cradie: 58 mm x 92 mm x 110 mm (2.3" x 3.6" x 4.3")  Weight  140 g (4.9 oz) - including batteries  Laser Class  Class 2: IEC60825-1; EN60825-1  EMC  FCC Part 15, ICES-003, EN55022 Class A  3attery  Battery  Main: 3.7 V, 700 mAh Li-ion rechargeable; Back-up: 3.0 V, 7 mAh Li-ion rechargeable  Expected Hours of Operation  SP5500: over 100 hours; SP5535: over 36" hours "depends on use-case and network traffic  Expected Charge Time  Less than 2 hours  Environmental  Operating Temperature  O"C to 55"C (32"F to 131"F)  Storage Temperature  - 20"C to 60"C (4"F to 140"F)  Humidity  5% to 95% relative humidity, non-condensing  Drop  Designed to withstand 1.2 m (4") drops  Scan Performance  Scan Speed  100 scan lines per second  Print Contrast  Code 39, Code 39, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Caperla Special Caperla III and the contrast of the code in the code of the co	•	
CPU 16-bit CMOS, low power consumption Program Memory 1 MB flash ROM Data Memory 2 MB SRAM Display LCD - 100 x 64 pixels, back-lit Display Resolution 8 lines x 16 characters (max), 4 lines x 12 characters (min) Keypad 21 rubber keys; alpha/numeric, function, scanner WPAN (Optional) Class 1 Bluetooth (up to 100 m) Host System Interfaces Unit: Cradle IR, Class 1 Bluetooth (optional); Cradle: USB, RS232 Application Development Windows-based Optimizer; optional C & BASIC compilers  Mechanical/Electrical  Dimensions (LxWxH) 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") Weight 140 g (4.9 oz) - including batteries Laser Class Class 2: IEC60825-1; EN60825-1 EMC FCC Part 15, ICES-003, EN55022 Class A  3attery  Battery Main: 3.7 V, 700 mAh Li-ion rechargeable; Back-up: 3.0 V, 7 mAh Li-ion rechargeable Expected Hours of Operation SP5500: over 100 hours; SP5535: over 36" hours "depends on use-case and network traffic  Expected Charge Time Less than 2 hours  Environmental Operating Temperature 0°C to 55°C (32°F to 131°F) Storage Temperature -20°C to 60°C (-4°F to 140°F) Humidity 5% to 95% relative humidity, non-condensing Drop Designed to withstand 1.2 m (4") drops  Scan Performance Scan Performance Scan Speed 100 scan lines per second Print Contrast 35% minimum reflective difference Decode Capability Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar,	Light Source	Visible Laser Diode 650 nm ± 10 nm
Program Memory  1 MB flash ROM  Data Memory  2 MB SRAM  Display  LCD - 100 x 64 pixels, back-lit  Display Resolution  8 lines x 16 characters (max), 4 lines x 12 characters (min)  Keypad  21 rubber keys; alpha/numeric, function, scanner  WPAN (Optional)  Host System Interfaces  Unit: Cradle IR, Class 1 Bluetooth (up to 100 m)  Host System Interfaces  Unit: Cradle IR, Class 1 Bluetooth (optional); Cradle: USB, RS232  Application Development  Windows-based Optimizer; optional C & BASIC compilers  Weight  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")  Weight  140 g (4.9 oz) - including batteries  Class Class 2: IEC608025-1; EN60825-1  EMC  FCC Part 15, ICES-003, EN55022 Class A  Battery  Battery  Main: 3.7 V, 700 mAh Li-ion rechargeable; Back-up: 3.0 V, 7 mAh Li-ion rechargeable  Expected Hours of Operation  Expected Charge Time  Less than 2 hours  Environmental  Operating Temperature  0°C to 55°C (32"F to 131"F)  Storage Temperature  20°C to 60°C (42"F to 140"F)  Humidity  5% to 95% relative humidity, non-condensing  Drop  Designed to withstand 1.2 m (4") drops  Scan Performance  Scan Performance  Scan Speed  100 scan lines per second  Privit Contrast  Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar,	Visual Indicators	LED: Dual-color; programmable green or red
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Display LCD - 100 x 64 pixels, back-lit  Display Resolution 8 lines x 16 characters (max), 4 lines x 12 characters (min)  Keypad 21 rubber keys, alpha/numeric, function, scanner  WPAN (Optional) Class 1 Bluetooth (up to 100 m)  Host System Interfaces Unit: Cradle IR, Class 1 Bluetooth (optional); Cradle: USB, RS232  Application Development Windows-based Optimizer; optional C & BASIC compilers  Wechanical/Electrical  Dimensions (LxWxH) 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")  Weight 140 g (4.9 oz) - including batteries  Laser Class Class 2: IEC60825-1; EN60825-1  EMC FCC Part 15, ICES-003, EN55022 Class A  Battery  Battery Main: 3.7 V, 700 mAh Li-ion rechargeable; Back-up: 3.0 V, 7 mAh Li-ion rechargeable  Expected Hours of Operation SP5500: over 100 hours; SP5535: over 36" hours "depends on use-case and network traffic  Expected Charge Time Less than 2 hours  Environmental  Operating Temperature 0°C to 55°C (32°F to 131°F)  Storage Temperature -20°C to 60°C (-4°F to 140°F)  Humidity 5% to 95% relative humidity, non-condensing  Drop Designed to withstand 1.2 m (4') drops  Scan Performance  Scan Pattern Single scan line  Scan Speed 100 scan lines per second  Print Contrast 35% minimum reflective difference  Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar,	Program Memory	1 MB flash ROM
Solition	Data Memory	2 MB SRAM
Class 1 Bluetooth (up to 100 m)	Display	LCD - 100 x 64 pixels, back-lit
WPAN (Optional)  Class 1 Bluetooth (up to 100 m)  Host System Interfaces  Unit: Cradle IR, Class 1 Bluetooth (optional); Cradle: USB, RS232  Application Development  Windows-based Optimizer; optional C & BASIC compilers  Wechanical/Electrical  Dimensions (LxWxH)  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"  Weight  140 g (4.9 oz) - including batteries  Class Class  Class 2: IEC60825-1; EN60825-1  EMC  FCC Part 15, ICES-003, EN55022 Class A  3attery  Battery  Main: 3.7 V, 700 mAh Li-ion rechargeable; Back-up: 3.0 V, 7 mAh Li-ion rechargeable  Expected Hours of Operation  Expected Charge Time  Less than 2 hours  Environmental  Operating Temperature  0°C to 55°C (32°F to 131°F)  Storage Temperature  -20°C to 60°C (-4°F to 140°F)  Humidity  5% to 95% relative humidity, non-condensing  Drop  Designed to withstand 1.2 m (4') drops  Scan Performance  Scan Performance  Scan Speed  100 scan lines per second  Print Contrast  Decode Canability  Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar,	Display Resolution	8 lines x 16 characters (max), 4 lines x 12 characters (min)
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Weight 140 g (4.9 oz) - including batteries  Laser Class Class 2: IEC60825-1; EN60825-1  EMC FCC Part 15, ICES-003, EN55022 Class A  3attery  Battery Main: 3.7 V, 700 mAh Li-ion rechargeable; Back-up: 3.0 V, 7 mAh Li-ion rechargeable  Expected Hours of Operation SP5500: over 100 hours; SP5535: over 36* hours *depends on use-case and network traffic  Expected Charge Time Less than 2 hours  Environmental  Operating Temperature 0°C to 55°C (32°F to 131°F)  Storage Temperature -20°C to 60°C (-4°F to 140°F)  Humidity 5% to 95% relative humidity, non-condensing  Drop Designed to withstand 1.2 m (4') drops  Scan Performance  Scan Performance  Scan Speed 100 scan lines per second  Print Contrast 35% minimum reflective difference  Decode Canability Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar,	Mechanical/Electrical	
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Print Contrast  35% minimum reflective difference  Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar,	Scan Pattern	Single scan line
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Totopon, mopulo	Decode Capability	Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic



### For more information:

www.honeywell.com/aidc

### **Honeywell Security & Data Collection**

Honeywell Scanning & Mobility 90 Coles Road Blackwood, NJ 08012 856.228.8100 www.honeywell.com



