

# SP5700 OptimusPDA

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## Mobile Computer

Honeywell's SP5700 OptimusPDA™ mobile computer incorporates a Microsoft Windows-based platform, advanced wireless technologies and aggressive bar code scanning into an ergonomic and durable device.

The OptimusPDA provides professionals with a versatile solution for increasing productivity and responsiveness in mobile applications associated with retail and supply chain, field service, health care, parcel delivery, and transportation.

Lighter than most mobile computers, but just as powerful, OptimusPDA can be equipped with a variety of options, including a choice of bar code scanners, a two-mega-pixel camera and data-transfer options (USB & RS232).

By supporting standard wireless infrastructures (Bluetooth and WiFi 802.11 b/g), OptimusPDA dramatically boosts efficiency by giving mobile workers access to faster download speeds and higher bandwidth for communicating important information.

Confidential information stays confidential thanks to WiFi-protected access security measures engineered directly into the mobile computer's firmware.

A backlit 3½-inch touch screen, easy navigation and software development tools make customizing applications for even the toughest data-capture challenges a snap.

This IP54-rated mobile computer resists exposure to water, dust, driving rain and extreme temperatures. The OptimusPDA is also tough enough to bounce back from repeated 1.5-meter falls onto concrete.

For more information on the SP5700 OptimusPDA mobile computer, please visit [www.honeywell.com/aidc](http://www.honeywell.com/aidc)



## Features

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- **Microsoft Windows CE.net platform with a Marvell PXA270 Processor:** Provides a powerful, familiar and easy-to-use platform
- **Durable IP54-Rated Design:** Withstands exposure to water, dust, driving rain and extreme temperatures; endures multiple drops onto concrete
- **Multiple Communication Options (Bluetooth, WiFi 802.11 b/g):** Increases data-transfer efficiency with access to faster download speeds and higher bandwidth
- **Lightweight Ergonomic Design:** Supports easy operation with pocket-sized shape and large backlit keypad
- **Flexible Kit Structure:** Reduces total cost of ownership by customizing options to specific requirements
- **Device Management:** Delivers advanced remote management and configuration options through Wavelink Avalanche™ software

# SP5700 OptimusPDA Technical Specifications

## Operational

System Interfaces	USB, RS232, IrDA
CPU	Marvell XScale™ PXA270 Microprocessor (520MHz)
OS	Microsoft Windows CE™ (v5.0)
Memory	Flash ROM: NAND 128MB, SD RAM: 128MB
Display	3.5" TFT 64K Color LCD with touch-screen
Keypad	2 trigger, power, backlight, send, end, 4 way direction, function, enter key, user-selectable 12 key (Numeric, English), LED Backlight
WLAN (optional)	IEEE802.11 b/g (11Mbps/54Mbps)
WPAN (optional)	Bluetooth Class II, 2.5mw (dbm)
Expansion	MiniSD card slot, R-UIM card slot (User accessible)
GPS	External GPS (optional)
Digital Camera	2MP Digital Camera (CMOS Type, optional)
PIMS	xPIMS (Today, Calendar, Task, Contacts, Notes, Inbox and PIMS backup)
Host Connectivity	Microsoft Windows 95/98/NT/2000/2003/XP
Terminal Emulation	5250, 3270, VT, HP (via Wavelink™ client)
Application Development	Microsoft SDK for Windows CE / Metrologic SDK

## Mechanical/Electrical

Dimensions (LxWxH)	178 mm x 77 mm x 31 mm (7.0" x 3.0" x 1.2")
Weight	240 g (8.4 oz) (including barcode scanner, except battery)
Electric Safety	UL 60950, CSA C22.2 No. 950 EN60950/IEC950
Laser Safety	CDRH Class II, IEC Class 2 in accordance with IEC950/IEC60825
EMI/RFI	FCC Part 15, RSS210 Class B, FCC Part 2 (SAR) ICES 003 Class B, EN 301 489-1, 489-17

## Battery

Battery	Main: 3.7V, 2200mAh Li-Ion rechargeable, replaceable pack; Back-up: 3.7V, 130mAh Li-Ion rechargeable
Expected Hours of Operation	Up to 72 hours (depends on use-case and application)
Expected Charge Time	Less than 3 hours

## Environmental

Operating Temperature	-20°C to 50°C (-4° F to 122° F)
Storage Temperature	-30°C to 70°C (-22° F to 158° F)
Humidity	5% to 95% relative humidity, non-condensing
Drop	Designed to withstand 1.5 m (5') drops
Environmental Sealing	IP54
ESD	8KVDC on contact, 4KVDC on air

## Scan Performance

Decode Capability	<b>1D:</b> Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic; <b>PDF:</b> PDF417, MicroPDF417 <b>2D:</b> QR Code, Micro QR Code, Data Matrix, Aztec Code, Maxicode, Codablock, Composite Code, POSTNET, PLANET, UPU, Intelligent Mail, Canada Post, Australia Post, Japanese Post, Royal Mail RM4SCC, KIX Code
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### For more information:

[www.honeywell.com/aidc](http://www.honeywell.com/aidc)

### Honeywell Security & Data Collection

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