

# Getac

Getac PS236  
Fully Rugged Handheld

## Real-time Communication in Any Harsh Conditions

*Deliver All You Need, and More*



# PS236

Fully Rugged  
Handheld

# PS236 Fully Rugged Handheld



3.5G WWAN



RS232



GPS



3 Megapixel  
Camera



Long Battery  
Life



Windows Mobile® 6.1

- MIL-STD-810G and IP67 Certified
- Microsoft Windows Mobile® 6.1
- 3.5G WWAN  
(HSDPA / WCDMA / EDGE / GPRS / GSM)
- RS232 Serial Port and USB OTG
- SDIO / SDHC Card Slot for Flexible  
Expansion and Storage
- Field Swappable 5600mAh Li-Ion  
Battery with Long Battery Life
- Embedded High Sensitivity GPS  
Receiver and 3 Megapixel Auto-focus Camera



Getac PS236 is the first fully rugged handheld built to meet MIL-STD-810G with high speed HSDPA wireless networking. The built-in GPS receiver, e-compass, altimeter, and 3 megapixel auto-focus camera have been neatly integrated to develop an all-in-one solution. Featuring RS232 serial port and USB OTG, Getac PS236 provides high compatibility and flexible connectivity for various industrial applications. The embedded 4GB memory storage plus an external SDHC card slot supporting up to 16GB ensure extensive data process and storage. Two keypad options, numeric keypad and PDA keypad, are designed to meet different user needs. The PS236 further offers substantially long battery life up to 10 hours\*\* to provide all-day power. This world's first fully rugged handheld with comprehensive GIS functionalities is built for extreme conditions to deliver all you need, and more.

## IO Ports



### Top Side

- SDIO / SDHC x 1



### Bottom Side

- DC x 1
- USB OTG x 1
- RS232 x 1
- Office docking port x 1



### Back Side

- Speaker x 1
- Camera x 1
- Battery cover x 1
- Stylus pen x 1

## Industry Applications



### Utilities

The MIL-STD-810G certified PS236 ensures good efficiency and quality of outdoor job, such as line walking or oil-well drilling in an extremely difficult environment. During shooting through Getac Camera with geo-tagging, the GPS positioning information, image, and text data can be compiled, and quickly transmitted via RS232 and USB immediately after returning to the workstation.



### Public Safety

The fully rugged handheld PS236 is equipped with a GPS receiver and a 3 megapixel camera, helping emergency rescuers arrange personnel and resources by allowing fast positioning in a harsh disaster environment. Meanwhile, they can transmit pictures and data via 3.5G wireless network to the control center which can be kept informed and provide real-time monitoring.



### Professional Service

The IP67 certified PS236 is operable at wide range temperatures with waterproof and shock-resistant capabilities, ensuring the environment and forest researchers work effectively in a harsh environment. Its long battery life up to 10 hours allows the continuation of whole day work. With its sunlight readable display, the researchers can control their work progress at any time in an outdoor work environment.

## Optional Accessories



### Vehicle charger

- DC Input: 12V-16V, 19V-32V, 5.6A at 12V
- DC Output: 12V, 4.2A



### Office docking

W x D x H: 152 x 131 x 90 mm  
(6.0" x 5.2" x 3.5")

- IO Port: USB Client x 1, DC Jack x 1



### AC adapter set

- AC Input: 100-240V, 1.3A, 50 / 60Hz
- DC Output: 12V, 4.16A, 50W



### SDIO extended cap

W x D x H: 97 x 38 x 74 mm  
(3.8" x 1.5" x 2.9")

- Provide IP54 water-proof



Battery



Stylus



Hand strap



Belt clip  
hand strap



Protective film



USB client cable



Vehicle mount  
(RAM Mount Solution)



USB host cable

## Software



### Getac Camera

Professional geo-tagging camera application combining precise GPS, e-compass and image data from Getac PS236.



### Getac Barcode Reader

Camera-based barcode reader application supporting for recognizing and decoding various 1D and 2D symbologies.

# Specifications

<b>Operating System</b>	Windows Mobile® 6.1 Classic Windows Mobile® 6.1 Professional
<b>Mobile Computing Platform</b>	Marvell PXA310 806MHz
<b>Display</b>	3.5" TFT LCD VGA (480 x 640) Transflective sunlight readable display Pressure sensitive touchscreen
<b>Storage &amp; Memory</b>	128MB MDDR 256MB NAND flash and 4GB iNAND
<b>Keypad</b>	Optional numeric keypad or PDA keypad
<b>Expansion Slot</b>	SDIO / SDHC card slot x 1 (up to 16GB SDHC memory card)
<b>IO Interface</b>	Serial port (9-pin; D-sub) x 1 USB OTG x 1 (client 2.0 and Host 1.1; 5-pin; type Mini AB) Microphone x 1 Speaker x 1 DC in Jack x 1
<b>Communication Interface</b>	Optional 3.5G WWAN (HSDPA / WCDMA / EDGE / GPRS / GSM) 802.11 b/g Bluetooth (v2.0+EDR class 2) GPS (with internal antenna)
<b>Software</b>	Microsoft Internet Explorer Mobile® Microsoft Office Mobile Applications Microsoft Office Mobile® Microsoft® Windows Media® Player 10 Mobile Microsoft ActiveSync 4.5 for data sync
<b>Power</b>	AC adapter (50W, 100-240V; 50 / 60Hz) Li-Ion smart battery (5600mAh) (up to 10 hours of battery life)**
<b>Dimension (W x D x H) &amp; Weight</b>	178 x 89 x 30 mm (7" x 3.5" x 1.18") 500 g (17.64 oz without 3G module)

<b>Field Service Feature</b>	GPS: SiRFstarIII 3 megapixel auto focus camera e-compass altimeter
<b>GPS Sensor Specification</b>	Chipset: SiRFstarIII Receiver Type: L1 (C / A) Channels: 20 channel all-in-view tracking Update Rate: 1 Hz Horizontal Accuracy: i) Autonomous: 5 m ii) DGPS : 1~3 m Cold Start Time: 45 sec average Warm Start Time: 30 sec average Hot Start Time: 1 sec average Reacquisition: 0.1 sec average
<b>Rugged Feature</b>	Fully rugged MIL-STD-810G and IP67 certified Tamper-proof plastic case Vibration and drop resistant Tumbling resistant (1,000 cycles; 0.5 m)
<b>Environmental Specification</b>	Temperature: - Operating: -30°C to 60°C / -22°F to 140°F - Storage: 40°C to 70°C / -40°F to 158°F Humidity: - 95% RH , non-condensing
<b>Alphanumeric Data Entry</b>	Soft input panel (SIP) on screen keyboard Transcriber handwriting recognition Optional numeric or PDA keypad
<b>Security Feature</b>	WiFi for WPA/WPA2 operation Authentication: OPEN, SHARED-KEY, PEAP (MS-CHAPv2, GTC, MD5), EAP-TLS, EAP-FAST, EAP-TTLS (PAP, CHAP, MS-CHAP, MS-CHAPv2, PAP/Token Card, EAP with GTC) Encryption: WEP, AES, TKIP
<b>Regulation</b>	CE, FCC, UL, BSMI, NCC
<b>Inbox Accessory</b>	Microsoft getting started disc AC adapter and UK/EU/US plugs USB cable Protective film Hand strap Quick start guide Battery Stylus

\*\* Battery life testing conducted under BatteryMark 4.0.1. Battery performance will vary upon software applications, wireless settings, power management settings, LCD brightness, customized modules and environmental conditions. The battery has a limited number of charge cycles and may eventually need to be replaced by a Getac service provider. Battery life and charge cycles vary by use and settings.



Business Rugged   Semi Rugged   Rugged   **Fully Rugged**   Ultra Rugged



**RUGGEDMOBILE**  
TOUGH TECHNOLOGY  
FOR TOUGH ENVIRONMENTS

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