

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



3M pixels
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 Replaceable 5600mAh Li-Ion
Battery with Long Battery Life
- Embedded High Sensitivity GPS
Receiver and 3 Megapixel Auto-focus Camera
- Optional EU explosive atmosphere ATEX certifiedⁱⁱⁱ



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 3M pixels 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 hoursⁱ 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.

Interface



Top Side

- SDIO / SDHC x 1



Bottom Side

- DC in Jack x 1
- USB OTG x 1
- RS232 x 1
- Docking Connector x 1



Back Side

- Speaker x 1
- Camera x 1
- Battery Cover x 1
- Stylus 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 3M pixels 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



AC Charger

- 50W, 100-240VAC



Vehicle Charger

- 60W, 12-16VDC and 19-32VDC



Peripheral Cap

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

- Provide IP54 Water-proof



Office Dock

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

- I/O Port: USB Client x 1, DC in Jack x 1



Carry Bag



Battery
(5600mAh)



Stylus



Stylus Tether



Hand Strap/
Hand Strap with Belt Clip



USB Host Cable



USB to RS232
Conversion Cable



Protection Film



Vehicle Mount
(RAM Mount Solution)

Software



Getac Camera

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

Specifications

Operating System	Genuine Windows Mobile® 6.1 Professional Genuine Windows Mobile® 6.1 Classic
Mobile Computing Platform	Marvell PXA310 806MHz
Display	3.5" TFT LCD VGA (480 x 640) Transflective sunlight readable display Pressure sensitive touchscreen
Storage & Memory	128MB MDDR 256MB NAND flash and 4GB iNAND
Keypad	Numeric keypad or PDA keypad
Expansion Slot	SDIO / SDHC card slot x 1 (up to 16GB SDHC memory card)
I/O Interface	Serial port (9-pin; D-sub) x 1 USB OTG (client 2.0 and host 1.1; 5-pin; type Mini AB) x 1 Microphone x 1 Speaker x 1 DC in Jack x 1 Docking connector (4-pin) x 1
Communication Interface	Optional 3.5G WWAN (HSDPA / WCDMA / EDGE / GPRS / GSM) 802.11 b/g Bluetooth (v2.0+EDR class 2) GPS (with internal antenna)
Software	Microsoft Internet Explorer Mobile® Microsoft Office Mobile Applications Microsoft Office Mobile® Microsoft® Windows Media® Player 10 Mobile Microsoft ActiveSync 4.5 for data sync
Power	AC adapter (50W, 100-240VAC; 50 / 60Hz) Li-Ion smart battery (5600mAh) (up to 10 hours of battery life) ⁱ
Dimension (W x D x H) & Weight	8.9 x 3 x 17.8 cm (3.5" x 1.18" x 7.01"), 530 g (18.69 oz) without 3G module ⁱⁱ
Field Service Feature	GPS: SiRFstarIII 3M pixels auto focus camera with LED light E-compass Altimeter

GPS Sensor Specification	Chipset: SiRFstarIII Receiver Type: L1 (C / A) Channels: 20 channels all-in-view tracking Update Rate: 1 Hz Horizontal Accuracy: i) Autonomous: 5 m / 16.4 ft ii) DGPS : 1~3 m / 3.3~9.8 ft Cold Start Time: 45 sec average Warm Start Time: 30 sec average Hot Start Time: 1 sec average Reacquisition: 0.1 sec average
Rugged Feature	MIL-STD-810G and IP67 certified Tamper-proof plastic case Vibration resistant Drop resistant (26 drops from 1.22m / 4ft) Tumbling resistant (1,000 cycles; 0.5 m / 1.6 ft) Optional EU explosive atmosphere ATEX certified ⁱⁱⁱ
Environmental Specification	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
Alphanumeric Data Entry	Soft input panel (SIP) on screen keyboard Transcriber handwriting recognition Numeric keypad or PDA keypad
Security Feature	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
Regulation	CE, FCC, UL, BSMI, NCC, CCC, SRRC, JRF, VCCI, PSE, A-Tick / C-Tick
Inbox Accessory	Microsoft getting started disc AC charger USB cable Protection film Hand strap Quick start guide Battery Stylus Stylus tether

- i Battery performance will vary with software applications, wireless settings, power management settings, LCD brightness, customized modules and environmental conditions. Battery life and charge cycles vary by use and settings.
- ii Weight varies from configurations and optional accessories.
- iii The ATEX configuration, PS236-Ex, is certified for use in hazardous location zone 2 / 22. For more details, please visit Getac website.



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