

Getac

Getac PS535F
Fully Rugged Handheld

World's Smallest Fully Rugged Handheld That Works Anywhere and Anytime

GPS + WLAN + Bluetooth – All in ONE



PS535F

Fully Rugged
Handheld

PS535F Fully Rugged Handheld



Lightweight



Bluetooth



GPS



3 Megapixel
Camera



Long Battery
Life



Windows Mobile® 6.1 / 6.5

- MIL-STD-810G and IP65 Certified
- Microsoft Windows Mobile® 6.1 / 6.5
- E-compass and Altimeter
- 3M Pixels Auto-focus Camera
- 3.5" VGA Transflective Sunlight Readable TFT LCD
- Embedded High Sensitivity GPS Receiver
- USB Host for Flexible Connectivityⁱ
- Field Swappable 2400mAh Li-Ion Battery with Long Battery Lifeⁱ



The new fully rugged PS535F from Getac with a high sensitivity GPS receiver, e-compass, altimeter and a 3 megapixel auto-focus camera is perfect for GIS applications. It is equipped with built-in WLAN and Bluetooth to support boundless data transmission in real time. The embedded 2GB NAND flash memory plus an external SD memory card up to 16GB ensures extensive data process and storage. The PS535F further offers substantially long battery life up to 8 hoursⁱⁱⁱ to relieve the common concern for power supply. All and beyond what you'd ask for have been neatly integrated in this world's smallest fully rugged handheld for the highest performance in any harsh environment.

I/O Ports



Bottom Side

- Power on/off switch x 1
- Mini-USB x 1
- Reset button x 1



Left Side

- SD slot x 1
- Audio output x 1



Back Side

- Speaker x 1
- External GPS antenna connector x 1
- 3 megapixel auto-focus camera x 1
- Battery cover x 1

Industry Applications



Professional Service

The IP65 certified PS535F is operable at high or low temperatures and is waterproof and shock-resistant, ensuring that environment and forest researchers can work effectively wherever they are. Its e-compass and altimeter give users exact geographical information. With its sunlight readable display, work progress can be controlled at any time in an outdoor work environment.



Utilities

Regardless of line-walking, land audits or irrigation management in extremely cold or harsh weathers, the MIL-STD-810G certified PS535F always ensures good work efficiency and quality. Using a GPS and Getac Camera with geo-tagging, the service status, navigation, satellite positioning and image & text data can be integrated. Upon returning to the workstation, you can make quick and simple data transmission via USB and Bluetooth.



Transportation

Equipped with a high sensitivity GPS receiver, PS535F helps logistics providers and carriers quickly obtain vehicle positioning information. It can also assist the backend control center in route planning and personnel control. Having passed the shock, drop, and rolling tests, PS535F can operate even in vehicle traveling on bumpy roads.

Optional Accessories



Vehicle Charger

- 10W, 10-30VDC



AC Charger

- 10W, 100-240VDC



Vehicle Mount



GPS MMCX Antenna



Hand Strap



Carry Bag



Protection Film



Stylus



Batteryⁱ



USB Host Cableⁱ



USB to RS232 Conversion Cableⁱ



USB Client Cable

Software



Getac Camera

Professional geo-tagging camera application combining a precise GPS, e-compass and image data from Getac PS535F

Specifications

Operating System	Genuine Windows Mobile® 6.5 Classic Genuine Windows Mobile® 6.1 Classic ⁱ
Mobile Computing Platform	Samsung S3C2450 533MHz
Display	3.5" TFT LCD VGA (480 x 640) Transflective sunlight readable display Pressure sensitive touchscreen
Storage & Memory	256MB MDDR ⁱ 128MB MDDR ⁱⁱ 2GB NAND flash
Keypad	5-way navigation key x 1 Programmable quick buttons x 3 Power key x 1
Expansion Slot	SDIO / SDHC card slot x 1 (up to 16GB SDHC memory card)
I/O Interface	USB (client 2.0 ⁱⁱⁱ ; client 2.0 / host 1.1 switched by software ⁱ ; 4-pin; type Mini B) x 1 4-pin; type Mini B) x 1 Audio output x 1 Microphone x 1 Speaker x 1 DC in Jack x 1
Communication Interface	802.11 b/g Bluetooth (v2.0+EDR class 2) GPS (with internal antenna and external MMCX connector)
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 ^{iv}
Power	AC adapter (10W, 100-240VAC; 50 / 60 Hz) Rechargeable Li-Ion smart battery (2400mAh) (up to 8 hours of battery life) ⁱⁱⁱ Charging time: Sleep mode, approx. 3.5 hours
Dimension (W x D x H) & Weight	82.25 x 29.3 x 144.25 mm (3.24" x 1.15" x 5.68") 300 g (10.58 oz) ^{iv}

Field Service Feature	GPS: SiRFstarIII Optional 3M pixels auto focus camera Optional e-compass Optional 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 IP65 certified Tamper-proof plastic case Vibration resistant Drop resistant (26 drops from 1.52m / 5ft) Tumbling resistant (1,000 cycles; 0.5 m / 1.6 ft)
Environmental Specification	Temperature: - Operating: -20°C to 60°C / -4°F to 140°F - Storage: -30°C to 70°C / -22°F to 158°F Humidity: - 95% RH , non-condensing
Alphanumeric Data Entry	Soft input panel (SIP) on screen keyboard Transcriber handwriting recognition
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, cTUVus ⁱ , JRF, VCCI ⁱ , PSE ⁱ , C-Tick ⁱ , iDA ⁱ
Inbox Accessory	Microsoft getting started disc ⁱⁱ AC charger USB cable Protection film Hand strap Quick start guide Stylus

- i Only available in configurations with field-replaceable batteries
- ii Only available in configurations with non-replaceable batteries
- iii 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. Battery life and charge cycles vary by use and settings.
- iv Weight varies from configurations and optional accessories.



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