



Rugged Handheld

key features

- **IP65 Certified**
Works in harsh conditions
- **Sunlight readable display**
3.7" TFT VGA industrial high contrast display, readable under full sunlight from any viewing angle
- **5 megapixel built-in camera**
For high quality images and videos
- **Full communication set**
USB, RS232 serial port, Wireless LAN, Bluetooth 2.1 and TF card socket
- **Built-in GPS receiver**
Real-time positioning accuracy of 2.5m, provides a modestly priced integrative solution

The XF3 is Hemisphere GNSS' next-generation built-in professional grade GPS receiver. The rugged handheld includes a high-sensitivity GPS antenna and performs well in covered areas such as forests and urban areas, ensuring that continuous work in challenging environments can be continued.

The integrated 5 megapixel digital camera allows you to capture accurate pictures of the situation in the field for GIS data collection. The XF3 is compatible with high-capacity MicroSD cards, ensuring there is enough storage for large data and faster background maps. Integrated Bluetooth and wireless LAN capabilities enable the XF3 to connect to networks and other devices freely.

The XF3 is the perfect fit for field work. The rugged handheld is designed with a 3.7" industrial high contrast sunlight-readable touchscreen display and is dust and waterproof up to IP65 standards. The two batteries last up to 12 hours and allow GPS data collection for a full working day without the need to recharge.





Hardware

Operation System: Windows Mobile 6.5
Processor: Marvell PXA-310 806 MHz Xscale PCU
Ram: 256 MB
Internal Storage: 4 GB+256 MB
External Storage: TF extensible to 32 GB
Sensor: Electronic compass (optional)

Display

Model: TFT colors, LED backlight
Resolution: 480 x 640 VGA
Size: 3.7 inch

Interface and Input

Multimedia: Integrated speaker, microphone and telephone receiver, support record and replay
Soft Key: Soft keyboard for numbers and symbols input
SIM Card: SIM card socket
External Power Supply: External power connector
TF Card: MicroSD card socket
Data Transfer Interface: USB connector, serial port, RS232 COM port

Battery (Rechargeable Lithium)

Battery Capacity: 7.4 V, 1500 mAh, 11.1 Wh, Li-Ion
Working Hours: Endurance of 12 hours (two batteries)

Environment

Relative Humidity: 95% non-condensing
Operating Temperature: -20°C to +60°C
Storage Temperature: -30°C to +70°C
Waterproof / Dustproof: IP65

Size and Weight

Size: 17.7 x 9.1 x 3.3 cm (L*W*D)
6.9 x 3.5 x 1.3 in (L*W*D)
Weight: 0.46 kg (1.0 lbs) - battery included

Data Communication

USB: Mini waterproof USB Connector
Wireless: 802.11 b/g Wireless LAN
Bluetooth: Bluetooth version 2.1 + EDR
Communication Module: Internal 3G communication module
GMS Frequencies: EU Version: 900/1800 MHz
NA Version: 850/1900 MHz
Multimedia: Voice call and multimedia message

Built-In GPS

Chipset: u-blox
Receiver: Single frequency GPS receiver
Channel: 50 Channels
GPS: L1 frequency, C/A code
SBAS: WAAS / EGNOS / MSAS / GAGAN
Antenna: Built-in

Protocol

RTCM: Support RTCM 2.1, 2.3
CORS: Fully compatible with CORS and regional reference station
NMEA: Data I/O, NMEA (GGA, GLL, RMC, GSA, GSV, VTG)

Update Rate: 1 Hz
Cold Start: 26 s
Stand Alone Accuracy: 1 - 3 m
NTRIP Accuracy: 1.5 m

Buttons and Controls

Power key, Win key, ESC key, Number keys, Alphabetic keys, Symbol keys, Left & Right soft key, Screen brightness control keys, Send & End keys, Shift key (Shift F1 and F2, direction, tab and *#), Camera key

Additional Features:

Camera: Static Mode: Auto focus 5 MP
Image Format: JPG (2048 x 1536)
Video Mode: Up to VGA resolution

Authorized Distributor:



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