

# Ruggedized Tablet

with Integrated High-Accuracy GNSS Module



The DGM700 GNSS Tablet features the integration of a brilliant 7" capacitive touch screen and a quad-core, energy efficient processor within a slim, lightweight and durable package. With its high-accuracy GNSS module, Android operating system and optional camera module, this tablet is compatible with existing GIS software for surveying and mapping applications and brings together the advanced workflow for GIS data capture, accurate positioning, and data transmitting.

## Features

- Fanless, slim, lightweight and durable design
- 7" LED-backlight screen with capacitive touch
- Quad-core, 1.4GHz processor; high performance with low power consumption
- Support for Android operating system
- Delivers 1-2 meter accuracy
- Supports SBAS (WAAS, EGNOS, MSAS), RTCM2.3 DGPS
- Integrated GNSS module

## Major Options

- 5 megapixel back camera with LED flash, auto focus, white balance, gain control and exposure control
- 3G module for HSPA+/WCDMA/EDGE/GPRS/GSM

## Specifications

| System                       |   |
|------------------------------|---|
| CPU                          | Quad Core, 1.4GHz                             |
| RAM                          | 1GB   |
| Storage                      | 8GB Flash                                     |
| Operating System             | Android 4.2                                   |
| Display                      | 7" LED-backlight screen with capacitive touch |
| Display Resolution           | 1024 x 600 (WSVGA)                            |
| Control Switch and Buttons   | 1 power button and 1 trigger button           |
| Indicator                    | 1 power-on LED indicator, 1 WLAN active LED   |
| Microphone                   | Built-in microphone                           |
| Speaker                      | Built-in speaker                              |
| Network Interface            |   |
| WLAN                         | Wi-Fi 802.11a/b/g/n                           |
| Bluetooth                    | Bluetooth 4.0 HS                              |
| I/O Ports                    |   |
| USB Port                     | 1 USB 2.0, 1 mini USB (with OTG function)     |
| Headphone-out                | 1 (2.5mm stereo/ microphone jack)             |
| DC-in                        | 1   |
| Micro SD Slot                | 1 Micro-SD card slot                          |
| Mechanical and Environmental |   |
| AC/DC Adapter                | Input: 100 – 240V AC; Output: 5V DC, 3A       |
| Battery Pack                 | Hot swappable battery, 3.7V, 4000mAh          |
| Enclosure                    | ABS + PC plastics, TPR                        |
| Stylus                       | Capacitive touch stylus                       |
| Protective Grip              | Rubber with handstrap                         |
| Dimensions (H x W x D)       | 5.24 x 8.75 x 0.7 in/ 133 x 210 x 18 mm       |
| Weight                       | 1.1 lbs/ 0.5 kg                               |
| Regulatory                   | FCC Class B, CE, RoHS compliant               |
| Temperature                  | Operation: 0°C – 40°C; Storage: -20°C – 60°C  |
| Humidity                     | 0% – 90% non-condensing                       |

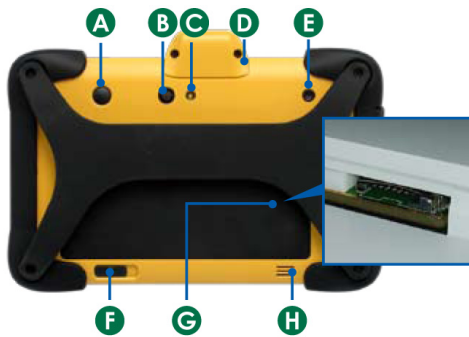
| U-Blox 7P GNSS module                   |   |
|---|---|
| Receiver Type                           | 56-channel u-blox 7 engine <ul style="list-style-type: none"> <li>• GPS L1C/A</li> <li>• SBAS L1C/A</li> <li>• QZSS L1C/A</li> <li>• GALILEO E1B/C</li> </ul> Navigation update rate up to 10Hz |
| Accuracy                                | <ul style="list-style-type: none"> <li>• Position: 2.5m CEP</li> <li>• SBAS: 2.0m CEP</li> <li>• SBAS+PPP: &lt; 1m CEP</li> </ul>   |
| Acquisition                             | <ul style="list-style-type: none"> <li>• Cold starts: 30 s</li> <li>• Aided starts: 5 s</li> <li>• Reacquisition: 1 s</li> </ul>  |
| Sensitivity                             | <ul style="list-style-type: none"> <li>• Sensitivity Tracking: -161 dBm</li> <li>• Cold starts: -147 dBm</li> <li>• Warm starts: -148 dBm</li> </ul>  |
| Major Options                           |   |
| Camera                                  |   |
| Sensor                                  | 1/4" CMOS, 5M sensor with LED flash   |
| Resolution                              | Support up to 2592 x 1944 pixels still image  |
| Automatic Image Control                 | Automatic white balance, gain control, and exposure control   |
| Focusing Type                           | Auto focus  |
| Focus Distance                          | 10cm ~ ∞  |
| WWAN                                    |   |
| 3G module for HSPA+/WCDMA/EDGE/GPRS/GSM |   |

## I/O ports

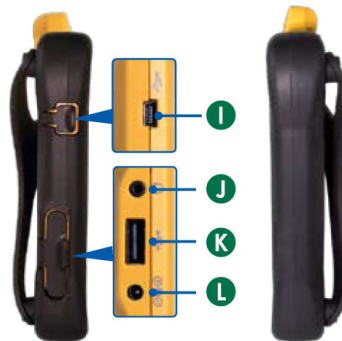
Front View



Rear View



Side View



|                         |                         |
|-------------------------|-------------------------|
| A. Trigger button       | G. Micro-SD card reader |
| B. Camera (Optional)    | H. Speaker              |
| C. LED Flash (Optional) | I. mini USB port        |
| D. GNSS module          | J. Headphone-out        |
| E. Power button         | K. USB 2.0 port         |
| F. Battery switch       | L. DC-in                |

## Accessories



### **Stylus**

Stylus for capacitive touch screen.



### **Coil Lanyard**

Coil Lanyard for Stylus, 3 pieces per kit.



### **Desktop Charging Cradle**

Charging Cradle for DGM700. Desktop cradle with rear pocket battery charger. AC Power adapter is not included.



### **Battery Pack**

Battery pack for DGM700. Hot-swappable, rechargeable Li-Ion battery pack. Capacity: 4000mAh, 3.7V (14.8W).



### **4-Bay Gang Charger**

4-Bay Gang Charger for DGM700. Multi-bay charger, capable of charging up to 4 tablet devices simultaneously.