

KEY FEATURES

- **Rugged professional GPS/GIS Data Collector**
- **Windows Mobile 6.1 operation system platform**
- **High sensitivity GPS receiver**
- **3.5" QVGA sunlight readable screen**
- **Bluetooth, Wi-Fi and GSM/GPRS connectivity**
- **3 megapixel camera**
- **Compact and lightweight**



Reliable and Competitive

GISA[®] M20 is a cost-effective professional GPS/GIS handheld receiver with SBAS enabled high-sensitivity GPS. It features sharp QVGA sunlight readable screen and up to 10 hours battery life with GPS and backlight.

Connectivity

GISA[®] M20 integrates a GSM/GPRS modem, that provides fast and efficient internet connection directly on the field, and with Bluetooth and Wi-Fi, that allow the user to transfer data conveniently and quickly on long distances.



Versatile Data Collector

GISA[®] M20 is an ideal rugged field computer for a large range of applications from GIS data collection and maintenance, agriculture field measurement, environmental control, national land, electricity, pipeline patrol, such as water pipeline. . .



Technical Specifications

GNSS characteristics

- High-sensitivity SiRF IV chipset
- 48 parallel channels GPS L1, CA code
- SBAS (WAAS, MSAS and EGNOS) support
- Tracking sensitivity: -163 dBm
Receiving sensitivity: -148 dBm
- Update Rate: 1Hz
- MMCX External Antenna support

Performance specifications ⁽¹⁾

- Stand alone GPS: 2.5 m RMS
- With SBAS: 1-3 m RMS

System configuration

- Windows Mobile 6.1 operating system
- 3.5" QVGA (320x240 pixel) TFT
sunlight readable screen
- Marvell PXA310 624 MHz processor
- RAM: 256 MB, ROM: 256 MB
- MicroSD card slot expansion to 32 GB
- 3 megapixel camera

Communications

- Bluetooth 2.0
- 802.11 b/g Wi-Fi
- USB 2.0
- GSM/GPRS (850/900/1800/1900 Mhz) phone
and data transmission
- Built-in microphone and speaker
- NMEA 0183 and SiRF protocol support



Physical

- Size(LxWxH):171mm x 89mm x 40mm (6.7 x 3.5 x 1.6 in)
- Weight: 339 g without battery
- Operating Temperature: -20 °C to +60 °C (-4°F to 140°F)
- Storage Temperature: -40 °C to +70°C (-40°F to 158°F)
- Dust proof and waterproof as per IP67
- Drop: Resistant from 1.5 meters drop

Electrical

- Li-ion battery capacity: 3000 mAh
- Battery life: up to 10 hours with GPS and backlight

Package content

- | | |
|--------------------------|--------------------|
| • GISA device | • Hand strap |
| • Li-ion battery | • Screen protector |
| • 4 GB Micro SD card | • Quick guide |
| • USB cable | • Inspection card |
| • AC power adapter | • CD |
| • Stylus pen with string | |

Optional accessories

- External GPS antenna
- Vehicle charger

(1) Accuracy and reliability specifications may be affected by multi path, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices. SBAS (Satellite Based Augmentation System). Includes WAAS (Wide Area Augmentation System) available in North America only, EGNOS (European Geostationary Navigation Overlay System) available in Europe only, and MSAS available in Japan only.

Specifications subject to change without notice.

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