

# VA12

UNLOCKING EFFICIENT ASSET  
MANAGEMENT  
4G + 2G NETWORKS



## Experience The Advantage

- MULTIPLE POSITIONING TECHNOLOGY
- IP67 WATERPROOF
- SUPER LONG BATTERY LIFE
- HASSLE-FREE INSTALLATION
- REMOVAL ALARM
- SUPPORT 4G + 2G NETWORKS

The Vanguard VA12 employs a powerful combination of Beidou, GPS, Wi-Fi, and base station positioning, ensuring fast and accurate location tracking. With AGPS technology, positioning is expedited, providing real-time visibility of your assets. Equipped with a high-performance 9600mAh lithium manganese battery, the VA12 can perform one positioning operation per day and boasts an impressive battery life of up to 6 years. Say goodbye to frequent maintenance and enjoy uninterrupted asset monitoring.

**Super Long Battery Life:** Equipped with 9600mAh lithium manganese battery. This device offers an impressive battery life of up to 6 years with 1 position a day.

**Easy Installation:** The VA12 offers hassle-free installation options. Its strong magnetic adsorption and design with reserved holes for ears allow for flexible mounting in various scenarios.

**Removal Alarm:** Equipped with a light sensor, triggers alarm notifications when the device is removed. Stay informed and prevent unauthorized access or tampering.

**RFID Capability & BLE(optional):** Enhance your asset inventory processes with the RFID & BLE. Effortlessly conduct asset inventory and streamline your management workflows for improved efficiency.

**Multiple Working Modes:** Customize the VA12 to suit your operational needs with multiple working modes. Choose from real-time mode, timing mode, alarm clock mode, and weekly mode, ensuring optimal functionality based on your asset management requirements.

## GENERAL

|                      |                        |
|----------------------|------------------------|
| Network Technologies | LTE-CAT 1 / GPRS / SMS |
| Location Technology  | 66 channel GPS         |
| Operating Voltage    | 3.0 V                  |

## CELLULAR/BANDS

|            |                                  |
|------------|----------------------------------|
| 4G LTE-FDD | B1/B2/B3/B4/B5/B7/B8/B20/B28/B66 |
| 4G LTE-TDD | B34/B38/B39/B40/B41              |
| 2G GSM     | 850/900/1800/1900                |

## GPS

|                                    |            |
|------------------------------------|------------|
| GNSS                               | GPS, BDS   |
| Receiver                           | 66 channel |
| Location Accuracy                  | < 10 m     |
| Tracking Sensitivity               | -165 dBm   |
| Acquisition Sensitivity            | -148 dBm   |
| Cold Start (open sky)              | 32 seconds |
| Hot Start (open sky)               | 1 second   |
| AGPS / Location assistance capable |            |

## POWER

|                   |                           |
|-------------------|---------------------------|
| Internal battery  | 9600mAh lithium manganese |
| Power Consumption | 43 mA @ 3V working        |
|                   | <2 mA @ 3V deep sleep     |

## ENVIRONMENTAL

|                           |                          |
|---------------------------|--------------------------|
| Operating temperature     | -20°C to +70°C           |
| Operating humidity        | 5% to 95% non-condensing |
| Ingress Protection Rating | IP 67                    |

## PHYSICAL

|            |                                |
|------------|--------------------------------|
| Dimensions | 96.0(L) x 43.0(W) x 24.0(H) mm |
| Weight     | 218 g                          |
| Switch     | Toggle Switches                |
| Indicators | Red status LED                 |

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