



MGYU-221

GSM/SMS or GSM/GPRS

The MGYU-221 is a very low cost AVL hardware option targeted towards system integrators and end-users. The ideal buyer of this unit is familiar with system integration and software development. The MGYU-221 is compatible on both GPRS and GSM Networks world-wide.



GPS Global Position System

- Send request by software from call center
- Receive position information, alarm and other information from sensors which connected with this unit
- More input port and output port
- We can offer different unit use GPS/GSM/SMS or GPS/GSM/GPRS

Technical parameter

<u>Item</u>	<u>Technical parameter</u>
Working voltage	8 ~ 36V/DC
Power source anti- ties	± 80V
Working electric current	Average 110mA @ DC 12V Sleeping 45mA @DC 12V
Unit size	121 × 149 × 38 mm L×W×H
Net weight	0.48 kg (Outer cover of Aluminium alloy)
Digital transmission Frequency	GSM: 900MHz/1800 MHz
GPS performance	Tracks up to 12 satellites of GPS Position precision<15 meters CEP without SA Cold start time< 48 sec. Warm start time< 38 sec., average

	Hot start time: <8 seconds ,average
Audio port	1 microphone plug 1 handle mobile audio port 1 handle mobile data port 1 hand-free speaker port: 4 - 8 W / 3W
Input port	3 routes low voltage check 0~1V/DC
	1 route ACC/Start check 7~60V/DC
	6 routes high voltage check 7~60V/DC
Output port	4 routes relay control 500 mA @ DC 12V
Data port	Two RS-232 series ports + 5V/DC, 750mA (max) power supply
Antenna	GPS SMA connection - 26dB Cable length 5meters
	GSM SMA connection - 3dB Cable length 3meters
Working temperature	-10 °C ~ + 70 °C
Working humidity	5% ~ 95%
Store temperature	-25 °C ~ + 85 °C
Backup battery	Nickel- hydrogen 4.8V/DC 800 mAh
GPS dynamic Conditions:	Altitude 18,000 meters (60,000 feet) max
	Velocity 515 meters / second (1000 knots) max
	Acceleration 4G , max
GPRS feature	2 Watts EGSM (GSM900 Class 4)
	1 Watt GSM1800 (DCS1800 Class 1)
	GPRS class 10
	Audio support (with echo-cancellation and noise reduction)
Data transfer modes:	GPRS (TCP)
	SMS PDU (buffered with up to 4 positions per SMS)

Functions:

- **Alarm:** Use sensors connected input port, we can check alarm , and also we can check speed alarm, area alarm, power supply off alarm, un-legal start alarm, GPS antenna broken alarm etc.
- **Position:** Request from software, by time (minimum 1 second), by distance (minimum 15 meters).
- **Image:** Support image remote transmission by RS-232 series port.
- **Control:** Output port control relay to make car shut down.
- **Compatible:** Can connect every type alarm unit from car.

Accessory

GPS antenna 1 set; GSM antenna 1 set; Alarm button 1 set; Relay 1 set; Cable 1 group.

Pricing:

\$250.00	1-25 units
\$220.00	26-50 units
\$210.00	50+ units