

AT04

AT05



AT04/05 is building with a same core board - TM6261 (GSM+GPS on board), running on a Nucleus OS, and AT04 specially offering the 4G networking on STM32 platform.

	2G/3G/4G		GPS/Glonass/BeiDou
	9 - 50V		300mAh(Li-polymer)
	Standard SIM or Nano		3 axis sensor detect movement or stop
	16000pcs data.		

Firmware Feature

-  USB to serial port
-  smart data uploading logic
-  remote parameter reading
-  remote oil cut off
-  sms alarm center
-  RS232 interface *
-  RFID driver identification *
-  capacitor fuel interface
-  firmware customization

AT04 is mainly for motorcycle with waterproof enclosure, AT05 is designed for fleet management purpose, providing a wide range voltage input to suit different types of vehicle: truck, taxi, cold chain transport and other commercial fleet.



Motorbike



Cold chain fleet



Transport fleet

Environment specification

Temperature	Operating: -20 °C to 60 °C	
	Battery charge: 0 °C to 45 °C	Battery discharge: -20 °C to 60 °C
	Storage: -20 °C to 60 °C	
Humidity	5% to 95% Non-condensing	

Electrical Specification

Power supply range	DC 9 - 50 V
Maximum current drain	idel: --
	sleep: --
	deep sleep: --
	sending data: --
Maximum current drain when battery charging	--

Connectivity

2G/GPRS/GSM	TM6261 for 2G version.
	850/900/1800/1900Mhz @ GSM
LTE 4G	Quectel EG91 (AT04 only on STM32 platform)
	B1/B3/B7/B8/B20/B28 @ LTE FDD, B1/B8 @ WCDMA,
	B2/B4/B5/B12/B13 @ LTE FDD, B2/B4/B5 @ WCDMA,
	B2/B4/B5/B12/B13/B25/B26 @ LTE FDD, B2/B4/B5 @ WCDMA,
GNSS module (GPS/QZSS, Glonass,BeiDou)	72-channel u-blox M8 engine
	Frequency: 1575.42MHz (GPS), 1601.71MHz (Glonass)
	Acquisition sensitivity: -148dBm
	Tracking sensitivity: -162dBm
	Reacquisition sensitivity: -160dBm
	CEP: 2.5m

Package information

AT04	AT04 device, USB to serial cable (sample order only), gift box
AT05	AT05 device, GPS antenna, IO cable, USB to serial cable (sample order only),gift box

	AT04	AT05
Digital input		
positive trigger	1	2
negative trigger	0	3
Digital output		
	2	3
Analog input	1	1
1-Wire	0	2
Mic	0	1
Serial Port		
RS232	0	1
SOS input	0	1
Dimension	65*45*23mm	89*55*25mm

Optional Accessories

SOS button	door sensor	Omicomm fuel sensor *
buzzer	LED lamp	FL05 Capacitor fuel sensor *
microphone *	OBD reader *	finger print reader *
RFID reader *	iButton reader *	temperature probe *

Ordering information
AT04 2G
AT05 2G
AT04 4G
AT04 CAT M1/NB IOT

* All items marked in “ * ” suits for AT05 only.