

# **M2M Series Products**

### **Intelligent SMS/GSM Alarm Controller**

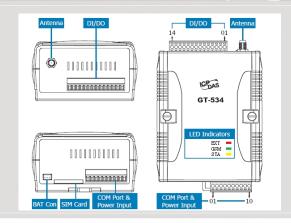








GT-534



**Dimensions** 

The GT-534 is an intelligent SMS/GSM controller for industry applications with the simple commands and SMS tunnel function, and power can be input by the external power or Li-Battery. It supports UNICODE or 7 bit format for users to implement sending SMS messages with various languages. The GT-534 also provides the sound alarm application with the pre-defined voice files. In addition, the DTMF function of the GT-534 is for the applications with the keypad of phones to control the local I/O. And, With the SMS DBS software of ICP DSA, users can manage the GT-534 in PC centrally.

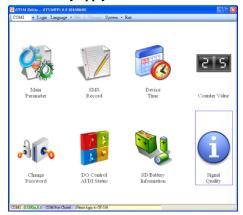
#### Features

- Support 850/900/1800/1900 MHz tri-band frequency
- Support SMS DBS software (http://m2m.icpdas.com/SMS\_DBS.html)
- Reduces wasted traveling time responding to Alarm **Events**
- Send alarm SMS by DI trigger or exceed Counter preset limits
- Support simple command to send SMS via RS232
- Support DTMF application of the phone keypad
- Support Voice Alarm via a GSM Network
- Support Local I/O data logger
- Support SMS DBS software
- Local I/O linkage function to make the simple local control
- Support 3.7V 600 mAH Li-battery

I/O	Channel number	Specification
AI	1	Resolution : 12-bit Input Range/Type : 0~20mA Sample Rate : 1 Hz Max

#### Utility

ICP DAS provide graphic tool for users to configure GT-534 via RS-232. The utility also can help users to test the GT-534 in the Lab before they apply in the real site.



DI Status - DIO DI3	DI1	DI2 DI5	Read	Al Status Al Value 0.0586 Gain 1.0000 Offset 0.0000	Read
- Control : I	000	Of OF		-Control : DO 1	ON OFF

#### I/O Interface

I/O	Channel number	Specification	
		Output type : Isolation	
DO	2	Load Voltage: +30V Max. Load Current:	
טט	2	100mA Max	
		Input type: Sink or Source, Isolated	
DI		channel with common power or ground	
	6	On Voltage: +3.5V~+30V	
		Off Voltage: +1V Max	





## Hardware Specifications

System						
CPU	32 bit, Microprocessor inside with 96MHz					
RTC	Gives time(sec, min, hour) & date, leap year compensation from 1980 to 2079					
WDT(watchdog)	Yes					
SD interface	2GB max.					
Comm. Interface	Comm. Interface					
COM ports	COM1: TxD,RxD,GND for configuration; COM2: RS-485;					
<b>GSM Interface</b>						
CSD	Up to 14.4 kbps					
Compliant to GSM Phase 2/2+	Class 4 (2 W @ 850/900 MHz); Class 1 (1 W @ 1800/1900 MHz)					
Coding Schemes	CS 1, CS 2, CS 3, CS 4					
SMS	MT, MO, CB, Text and PDU mode					
General						
Power Requirement	2W; Unregulated +10V <sub>DC</sub> ~ +30V <sub>DC</sub> . Support 3.7V Li-battery backup					
LEDs	3 indicator LEDs					
Environment						
Operation Temp.	Operation: -25°C to 55°C; Storage Temp: -40°C to 80°C					
Humidity	5~95% non-condensing					
Dimensions	91mm x 132mm x 52mm (long*width* high)					

LED	Description					
EVT(rad)	on	The external Power is active				
EXT(red)	off	The external Power is not active				
STA (orongo)		Normal	GSM Fail	PIN code is wrong		
STA (orange)	EXT (on)	Blanking (1 sec)	Always on or off	Blinking per 50 ms		
CSM(graph)	Blinking	Modem normal				
GSM(green)	off	Modem fail (or Blinking(not 3 sec))				

### Applications



### Ordering Information

GT-534 CR Intelligent SMS/GSM Alarm Controller (RoHS)