



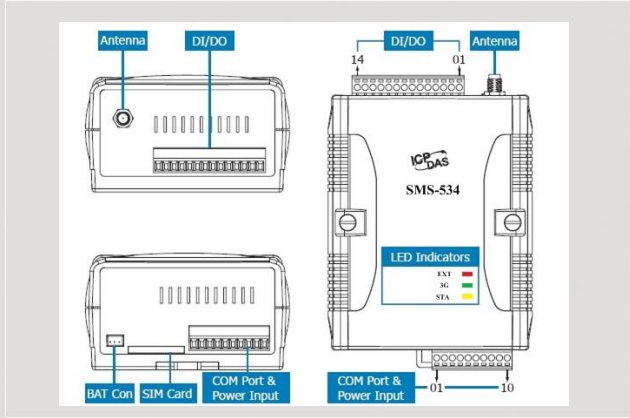
M2M Series Products



Intelligent 3G SMS/Voice alarm controller



SMS-534



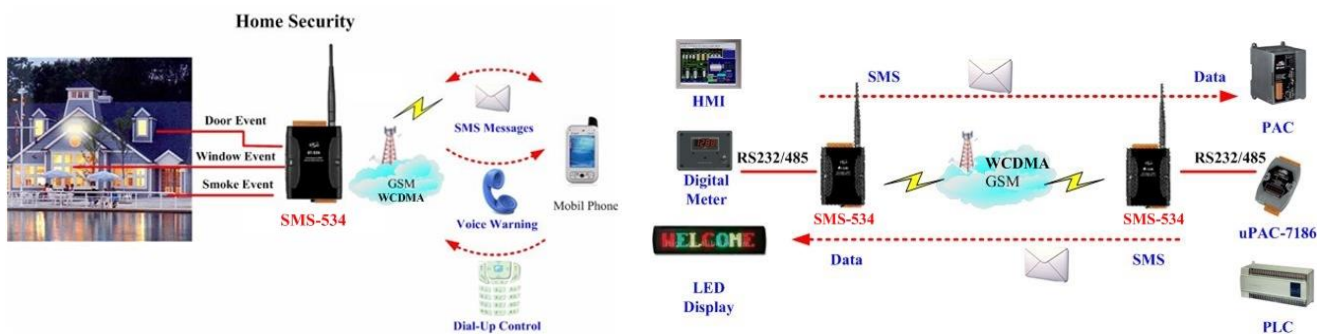
Dimensions

The SMS-534 is an intelligent 3G SMS/GSM alarm 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 SMS-534 also provides the sound alarm application with the pre-defined voice files. In addition, the DTMF function of the SMS-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 SMS-534 in PC centrally.

Features

- Support WCDMA 850/900/1900/2100 MHz frequency
- Supports GSM 850/900/1800/1900 MHz frequency
- 6 * DI, 2 * DO, 1 * AI, 1 * RS232, 1 * RS485
- Identify ASCII or Unicode SMS Automatically
- Support max. 140 ASCII Characters
- Support max. 70 Unicode Characters
- Built-in ASCII Commands and SMS tunnel Communication Modes
- Max. 10 Default Phone Numbers
- Support DC +10 VDC ~ +30 VDC Power Input
- DO control by dual-tone multi-frequency
- Support SMS setting and control
- Digital input support NC(normal close)/NO(normal open)/Counter modes
- Periodic SMS report
- Voice Alarm and SMS triggered by DI trigger or exceed AI/Counter preset limits
- Support simple command to send SMS via RS232
- Support micro SD card. (Max 8G bytes)
- Support data log

Applications





Hardware Specifications

System	
CPU	32 bit CPU, 96M Hz
SRAM	32K Bytes
Flash Memory	512K Bytes
RTC	Gives time(sec, min, hour) & date, leap year compensation from 1980 to 2079
WDT(watchdog)	Yes
Serial ports	
COM 1	RS-232 : TxD,RxD,GND
COM 2	RS-485 : DATA+,DATA-
Digital Input	
Channel	6
ON Voltage	+3.5~+24V _{DC}
OFF Voltage	+1V Max.
Digital Output	
Channel	2
ON Voltage	+3.5~+24V _{DC}
OFF Voltage	+1V Max.
Analogy Input	
Input Channel	1
Resolution	12-bit
Input Type	0 ~ 20 mA
Sampling Rate	1 Hz max.
Save Interface	
Interface	MicroSD, Support to 8GB
Sound format	
File type	*.wav
File format	PCM
Sound data bit	16 bits
Sound channel	Single track
Sound Samples Per Sec	8 kHz,11 kHz
3G Interface	
Frequency Band	850/900/1900/2100 MHz
Power class	Class 3(250mW @ WCDMA/HSPA)
GPRSInterface	
Frequency Band	850/900/1800/1900 MHz
GPRS connectivity	GPRS Class 12
Power Class	Class 4(2W @ 850/900 MHz)
	Class 1(1W @ 1800/1900 MHz)
Power	
Protection	Reverse polarity protection
Frame Ground Protection	ESD, Surge, EFT, Hi-Pot
Required Supply Voltage	+10 VDC ~ +30 VDC with 600 mAh Li-ion battery backup (Option : 1200 mAh)
Mechanical	
Casing	Plastic
Flammability	UL 94V-0 materials
Dimensions (W x L x D)	91 mm x 132 mm x 52 mm
Installation	DIN-Rail
Environment	
Operating Temperature	-25 °C ~ +55 °C
Storage Temperature	-40 °C ~ +80 °C
Humidity	5 ~ 95% RH, non-condensing