M2M Series Products

Intelligent 3G SMS Alarm Controller



SMS-530 is an intelligent 3G SMS controller for industry applications with the simple commands and SMS tunnel function, and power can be input by external power or Li-ion Battery. Applying SMS-530, the SMS report can be sent by defined time or DI/counter event trigger. This can be a remote control and alarm system allowing you to use your mobile phone to monitor and control your business from any location. Its alarm facilities provide a flexible way to distribute critical alarm information to any number of mobile phone users. SMS-530 can monitor up to 10 digital inputs (6 counters). The SMS-530 also has 2 Digital output which can be activated via DI trigger or SMS to control the lamps, pumps, heaters...etc.

Features

- Support Quad-band GSM 850/900/1800/1900 MHz frequency
- Support Quad-band WCDMA 850/900/1900/2100 MHz frequency
- Identify ASCII or Unicode SMS Automatically
- Support max. 70 Unicode Characters
- Support max. 140 ASCII Characters
- Built-in ASCII Commands and SMS tunnel Communication Modes
- Max. 10 Default Phone Numbers
- Industrial Design with Surge Protection
- Support SMS setting and control
- 10 DI (6 Counter), 2 DO, 2 RS-232 port
- Digital input support NC/NO/Counter modes
- Send alarm SMS by DI trigger Support simple command to send SMS Support DC +10 ~ +30 V DC Power Input
- Support 3.7 V Li-ion Battery Backup

I/O Interface

I/O	Channel number	Specification	
DI	10	Input type : Sink or Source, Isolated channel with common power or ground On Voltage : +3.5V ~ +24V Off Voltage : +1V Max	
DO 2 Load Voltage : +24V		Output type : Isolation Load Voltage : +24V Max. Load Current : 100mA Max	

Utility

ICP DAS provide graphic tool for users to configure SMS-530 via RS-232. The utility also can help users to test the SMS-530 in the Lab before they apply in the real site.







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Hardware Specifications

COM2RS-232 : TxD,RxD,GND for configurationCOM3RS-232 : TxD,RxD,GND for communication with other devices3G SystemFrequency BandWCDMA Quad-Band 850/900/1900/2100 MHzPower ClassClass 3 (250mW @ WCDMA/HSPA)2G SystemFrequency BandGSM Quad-Band 850/900/1800/1900 MHzCoding SchemesCS 1, CS 2, CS 3, CS 4SMSPDU modeSMS FormatSending : UCS2 Receiving : UCS2/7bitsGeneral2W; Unregulated +10V _{DC} ~ +30V _{DC} . Support 3.7V Li-battery backupLEDs3 indicator LEDsMechanicalCasingDimensions91mm x 132mm x 52mm (long*width* high)InstallationDIN-Rail	System						
WDT(watchdog)YesWDT(watchdog)YesComm. InterfaceCOM2RS-232 : TxD,RxD,GND for configurationCOM3RS-232 : TxD,RxD,GND for communication with other devices3G SystemFrequency BandWCDMA Quad-Band 850/900/1900/2100 MHzPower ClassClass 3 (250mW @ WCDMA/HSPA)2G SystemFrequency BandGSM Quad-Band 850/900/1800/1900 MHzCoding SchemesCS 1, CS 2, CS 3, CS 4SMSPDU modeSMSPDU modeSMS FormatSending : UCS2 Receiving : UCS2/7bitsGeneral2W; Unregulated +10V _{DC} ~ +30V _{DC} . Support 3.7V Li-battery backupLEDs3 indicator LEDsMechanicalQimm x 132mm x 52mm (long*width* high)InstallationDIN-RailEnvironment-25°C to 55°CStorage Temp40°C to 80°C	CPU	32 bit, Microprocessor inside with 96MHz					
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CasingPlasticDimensions91mm x 132mm x 52mm (long*width* high)InstallationDIN-RailEnvironmentOperation Temp25°C to 55°CStorage Temp40°C to 80°C	LEDs	3 indicator LEDs					
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Environment Operation Temp. -25°C to 55°C Storage Temp. -40°C to 80°C	Dimensions	91mm x 132mm x 52mm (long*width* high)					
Operation Temp25°C to 55°CStorage Temp40°C to 80°C	Installation	DIN-Rail					
Storage Temp40°C to 80°C	Environment						
	Operation Temp.	-25°C to 55°C					
Humidity 5~95% non-condensing	Storage Temp.	-40°C to 80°C					
	Humidity	5~95% non-condensing					

Applications



Ordering Information

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Intelligent 3G SMS Alarm Controller (RoHS)