

Sitemate II Integration UPS & Environment Monitoring System for Data Center

Device:

Sitemate II monitoring host, with UPS monitoring and environment monitoring, is specially designed and developed for data center. It adopts popular 19 inches rack-mounted design style with 220V-240V communication power supply, which is more suitable for the design demands of modern machine room. What is more, it supports 16 channels switch quantity detection, 8 channels analog quantity input and 6 channels delay output control, which can satisfy the monitoring demand of small and medium-sized machine room, it is the best choice for building a modern unattended data center.



Sitemate II

Interface

Summary



Task Schedule

Total (previous 10ops)	Execution Time	Task	Execution Time(s)	Parameters	Operate
<input type="checkbox"/>	2016-01-22 14:51:53	Self testing	One-time	Output On	Modify
<input type="checkbox"/>	2016-01-23 14:51:53	Self testing	One-time	Timed to battery voltage low	Modify
<input type="checkbox"/>	2016-01-24 14:51:53	Shutdown	One-time	Output On	Modify

History Records

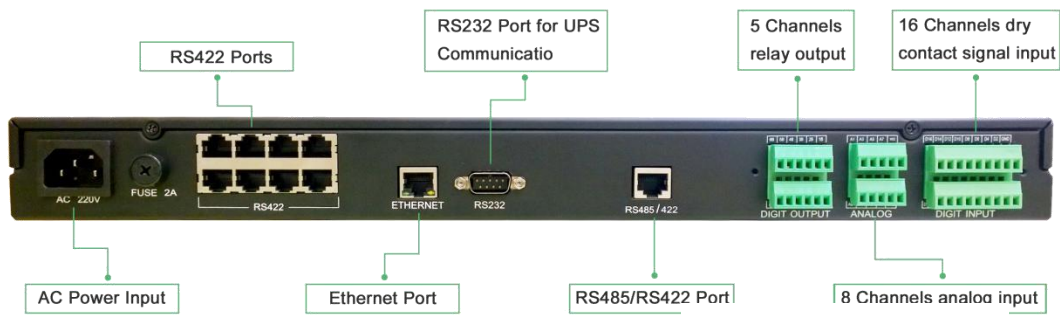
Event	Time	Duration
UPS(Overvoltage) Support	2016-01-19 14:51:53	
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:50:41	37 seconds
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:50:46	37 seconds
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:50:58	37 seconds
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:51:09	37 seconds
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:51:17	
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:51:51	
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:52:41	37 seconds
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:52:46	37 seconds
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:52:58	37 seconds
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:53:09	37 seconds
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:53:17	
Temp of Humidity(Switch quantity) System Support	2016-01-19 07:53:51	

Functions:

- 16 digital input terminals (0-5V TTL level); support to add-on dry contact type environment sensor;
- 8 analog input terminals (0 ~ 5V linear level); support to detect analog quantity such as current, voltage, frequency, etc;
- 5 digital output terminals(12VDC / 1A), can realize the sound-light alarm and other equipment linkage;
- Support 20 temperature & humidity sensors;
- Built-in TCP/IP network function module, support many kinds of network protocol such as like SNMP V1, V2, V3, HTTP, HTTPS, DNS, SMTP, DHCP, SNIP, SSH, SSL;
- Support IPV6/IPV4;
- Network mode: the LAN which is based on IP, WAN, Internet, ADSL, E1, wireless Ethernet, etc;
- Safe and reliable user permission management;
- Built-in optimal IP Power communication protocol, guarantee the real-time data acquisition and make full use of bandwidth;
- Support multiple configuration management mode such as Telnet, Hyper Terminal, Web browser, etc;
- Support task schedule, can set UPS timing open/shutdown, battery timing discharge, etc;
- Compatible with multi-brand and multi-type of UPS;
- Support history data and history event record;
- Built-in system clock, and support auto reset to achieve time synchronization;
- Support Email alarm;
- Optional GSM module, support SMS query and alarm.

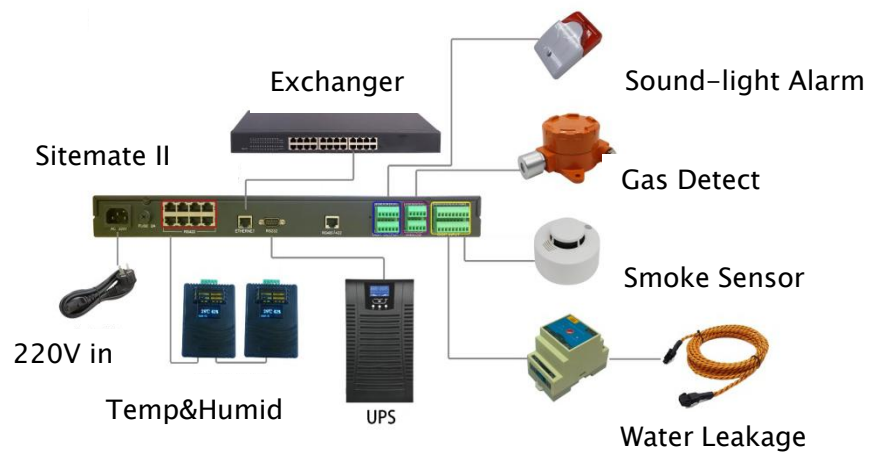
Ports

Sitemate II with different ports to be connected to different devices and sensors



Application Topology

Sitemate II can be connected to UPS and different add on sensors as showed in the diagram.



Technical Specification:

CPU	32-bit ARM926EJ-S core 300 MHz high speed processor(CPU)
RAM	64M byte SDRAM
Flash ROM	128M byte and Flash
Network Port	10/100Mbps High-speed Ethernet networks self-adaptive
Serial Port	2 high-speed asynchronous RS232 serial port, 1 RS232 asynchronous serial port for communicating with UPS; another RS232 serial port for parameter configuration; 1 RS422/485 for expanding temperature and humidity monitoring and other intelligent devices.
Output Control	16 digital input terminals (0-5V TTL level); 8 analog input terminals (0 ~ 5V linear level); 5 digital output terminals (12VDC / 1A); Support 20 temperature & humidity sensor, series connection by RS485/RS422.
Browser Support	Able to access via Internet Explore, Netscape, Chrome, Firefox, or other compatible browsers.
SNMP MIB	Support RFC1213, RFC1628, PPC MIB.
SNMP Support	SNMP V1.1/V2.0/V3.0
Network Protocol	TCP/IPv4, TCP/IPv6, UDP, SNMP, SSL, Telnet, SNT, HTTP,HTTPS,SMTP, DHCP, DNS, TFTP, ARP, ICMP, PPP, DNS, TFTP, ARP, ICMP, PPP
LED Indicator	PW, M-PW, RUNDEV, PPP, IPP, WEBS, SNMP, EXT, MODEM, LAN 10/100M Link/Active.
Input Power	AC 220V-240V/50Hz
Power Consumption	≤12W
Operating Environment	Temperature: 0°C ~ 70°C Humidity: 10 ~ 85%
Other Configuration	Built-in system clock supports auto reset to achieve time synchronization.
Multi-language	Support simplified Chinese, English, and also expand other languages.
Program Update	Network upgrade, tool update
System Security	Provided based on IP filtering mechanism, and system operation, control and management of the user ID and password protection.
Safety Certificate	CE, FCC