

Netmate III EXT

Minitype Power Environment System Monitor for Data Center



NetmateIII EXT is a mini-type monitor for UPS & environment parameters system, it supports multi-brand and multi-type of UPS, at a same time can easily add on environment parameters detect like temperature, humidity, smoke, leakage, motion, door contact, etc, when abnormal situation happens, it will rapidly give email, sound light alarm notification.

1. Function Feature

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- Support advantage encryption protocol such as HTTP, HTTPS, SSL, SSH, SNMPV1/V2c/V3;
 - Support telnet, super terminal, WEB page configuration;
 - Compatible with multi-brand and multi-type of UPS;
 - Support to add on 2 pieces of Temp&Humid sensors via RS422/RS485 ports;
 - With 4 digital input terminals, support to add on dry contact type detectors;
 - With 2 digital output terminals, support to add on relay output control;
 - Support SNMP trap, E-mail alarm notification;
 - Support IPV4/IPV6
 - Support scheduled task(regular self-testing, switch on/off);
 - Support history events and data record storage;
 - Comprehensive event handle(including event record and notification);
 - Comprehensive managing function(data logs, SNTP and task schedule);
 - Support IPV4/IPV6;
 - Available to work with centralized software.

2. Appearance

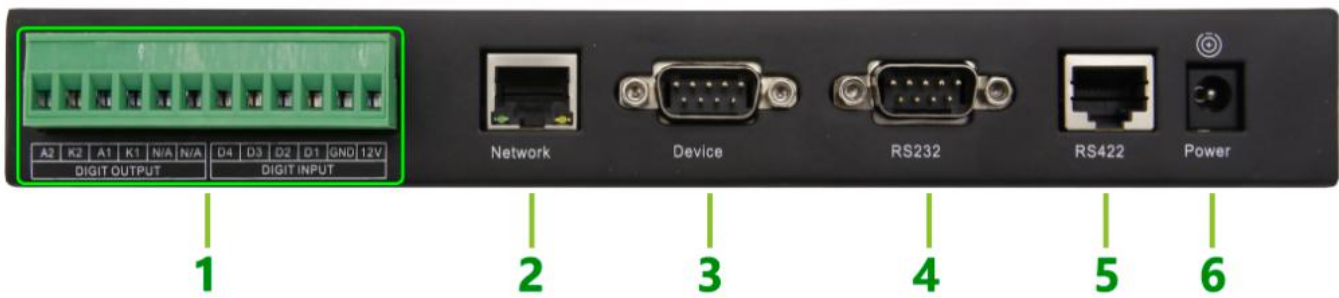


<Netmatelll EXT front>



<Netmatelll EXT front>

3. Ports Introduction



1. 4 DITIT INPUT/2 DIGIT OUTPUT

(add on smoke, leakage, door contact, motion, sound light, etc)

2. Ethernet port

3. Device(connect with UPS)

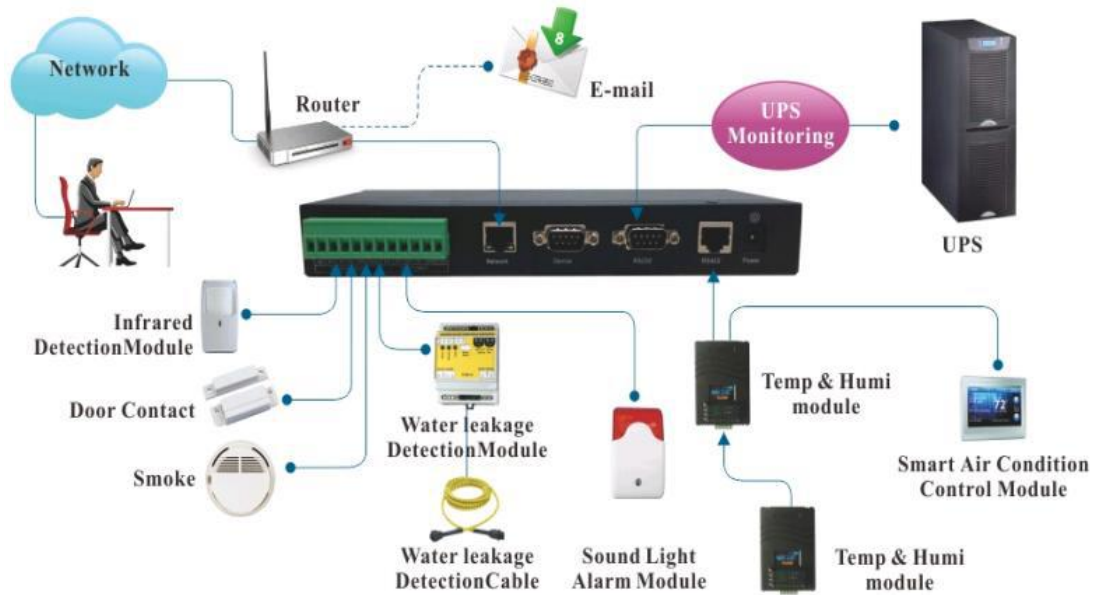
4. RS232(For super terminal configuration)

5. RS422 port

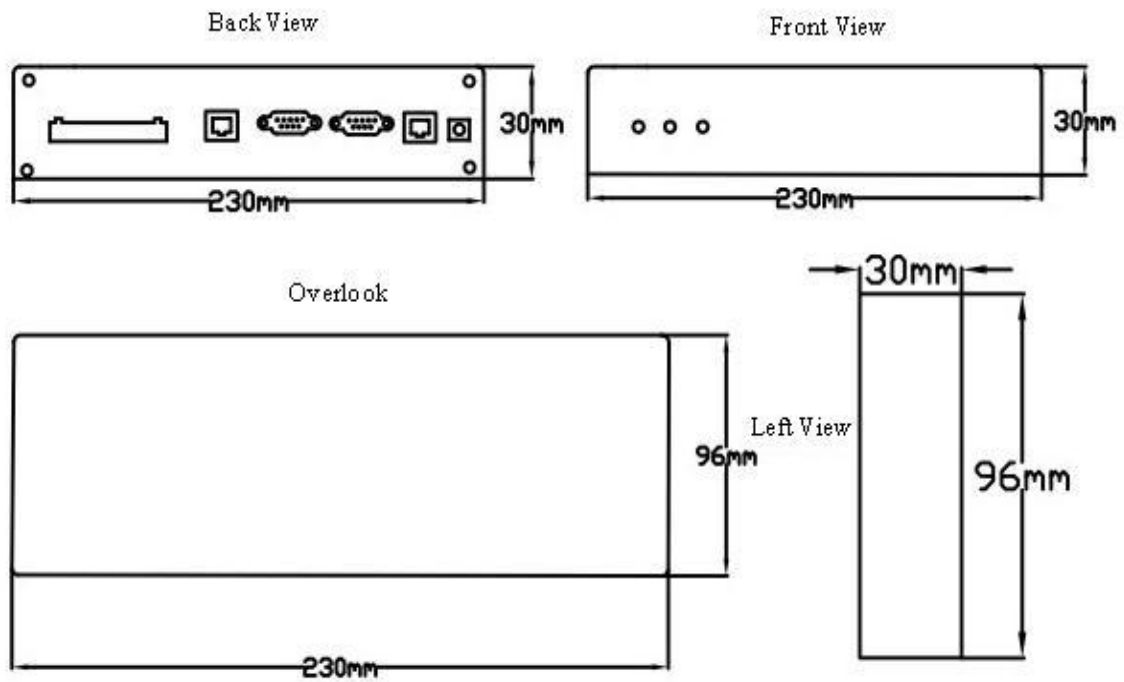
(add on Temp& Humid/General air condition infrared component)

6. DC input (DC12V)

4. Network Diagram



5. Dimension



6. Monitoring Interface

Host IP: 172.16.0.157 | admin Welcome! | 2016-04-29 11:26:39 | Exit

172.16.0.157 >

Query status >

Parameter setting >

Remote control >

History record >

Sys info >

Input voltage(V):220.00
Frequency(Hz):50.00

Output voltage(V):220.00
Max output voltage(V):220.00
Min output voltage(V):220.00
Current load(%):34.00
Output frequency(Hz):N/A

Battery total voltage (V):2.20 | Battery capacity(%):88.00 | Battery temperature(°C):N/A

Temp & Humid1
Temperature:33.82 °C
Humidity:41.53 %
Connect Status: ●

Current Status					
Connect Status:	●	Running Status:	●	Mains Status:	●
Battery Status:	●	Shutdown Status:	●	Test Status:	●
UPS Status:	●	Beeper Status:	●		

Host IP: 172.16.0.157 | admin Welcome! | 2016-04-29 11:27:17 | Exit

172.16.0.157 >

Query status >

Parameter setting >

 Main monitoring

 Add-on Sensors

 Network

 SNMP

 Email

 User

Remote control >

History record >

Sys info >

Communication Setting

Device type: Single Phase UPS | Device brand: SANTAK | Communication Protocol: Standard

Baud Rate: 2400 | Version: 0 | Address Bit: 1

Battery Type: 2V | Battery Cells: 1 | Calibration(Batt Vol)(V): 0

Last Battery Replace: 2015-09-01 00:00:01

Interval(ms): 1000 | Disconnect Times: 3 | Connect Times: 3

Alarm Polling Times: 1

Alarm Threshold Setting

Max Input Voltage(V): 0 | Min Input Voltage(V): 0 | Max Load(%): 0

Min Battery Capacity(%): 0 | Max Inner Temp(°C): 0 | Battery Low Voltage(V): 0

Battery Life: 2016-09-01 00:00:01 | Min Battery Total Voltage(V): 0 | Min Single Battery Voltage(V): 0

Save | Reset

Host IP: 172.16.0.105 | admin Welcome! | 2016-05-03 10:45:54 | Exit

172.16.0.105 >

Query status >

Parameter setting >

 Main monitoring

 Add-on Sensors

 Network

 SNMP

 Email

 User

Remote control >

History record >

Sys info >

Communication Setting

Identification: NO_SECURITY | SMTP server: | Port: 25

Username: | Password: | Sender mail: |

Save | Reset

Receiver Setting

	Mail	Event	Send Alarm
Receiver1	<input type="text"/>	Select	<input type="checkbox"/>
Receiver2	<input type="text"/>	Select	<input type="checkbox"/>

Host IP: 172.16.0.105 admin Welcome! 2016-05-03 10:48:44 Exit

172.16.0.105 > Enter the authorization code to update the system

System authorization code: 8DEF0936-47D74F8D-B7D83E95-6CCEA501-0C1D298E
8DEF0936-47D74F8D-B7D83E95-6CCEA501-0C1D298E;0053
43002E04B2B6647DC68EF8562166A27F789C63641805431E3

Current config: 092AF9585918111593B17030B8A3C3BC87490829D0FC2F09
9737F5BAE03F32C4E87E9ABF8B266FD17FA88FCF5133DB0D
328701B3D0000A2DC0C33

Save Reset

Upload upgrade program(Tips: Please don't do any other operation during updating. The system will reboot when the updating is 100% completed. The webpage will be fail to access. Pls wait about 1 mins later and try to open again!)

Browse

Upload Upgrade

7. Technical Parameters

CPU	32-bit ARM RISC-based 50 MHz (CPU)		
RAM	16M byte SDRAM	Flash ROM	4M byte Flash
Ethernet	10/100Mbps High-speed Ethernet networks self-adaptive		
Serial Ports	2 RS232 ports; Left RS232 port(connect UPS); Right RS232 port(configure parameters); 1 RS422 port(Temp& Humid/General air condition infrared component)		
DI/DO Terminals	4 Digit input terminals (0-5V TTL level); 2 Digit output terminals (12VDC / 1A)		
Browser Supported	Internet Explorer、Netscape, Google Chrome		
SNMP MIB	Support MIBII (RFC1213, RFC1315, RFC1316)RFC1628, PPC MIB		
Network Protocol	TCP/IP, UDP, SNMP, Telnet, SNTP, HTTP, SMTP, DHCP, DNS, TFTP, ARP, ICMP, PPP, etc		
Encrypted protocol	HTTPS, SSL, SSH, SNMPV3, IPV6		
LED Indicators	Power, Status, Ready, LAN 10/100MLink/Active		
DC Input	8-15V	Power Consumption	≤5W
Running Environment	Temperature: 0°C ~ 70°C Humidity: 10 ~ 85%		
Other Configuration	Real time system clock synchronization		
Languages	Real time system clock synchronization		
Software Upgrade	Network upgrade, serial port upgrade		
System Security	Provided filtering mechanism based on IP , and system operation, control and management of the user ID and password protection.		
Safety Certificate	CE, FCC		

8. Opitonal Accessories

SN	Name	Picture	M.N	Function	Connection
1	Temp&Humid Sensor		RC77015 OLED Display	Detect data center indoor temperature and humidity parameters, every 20 M ² need to install 1pc	RS422
			RC77012 Digital Type		
2	AirCon Infrared Component		RC77404	Remotely control air condition on-off,with auto reboot when AC recover	RS422
3	Smoke Sensor		RC77146	Detect indoor data center monitor status, every 20 M ² -30M ² need to install 1pc	DI (terminals)
4	Infrared Sensor		RC77147	Detect data center intrusion, motion status	DI (terminals)
5	Door contact		RC77424	Detect door or window on/off status	DI (terminals)
6	Switching Value Transmitter		RC77754	Detect on-off status of air condition/ new fan	DI (terminals)
7	Sound Light Sensor		RC77412	Give sound light alarm notification	DO (terminals)
8	Water Leakage Sensor		RC77106 (Non-Locating)	Detect data center water leakage status, work with water leakage cable, cable (5/10/15/20/30meter) optional, support length custom	DI (terminals))