

Network Management Card

~Quick Installation Guide~

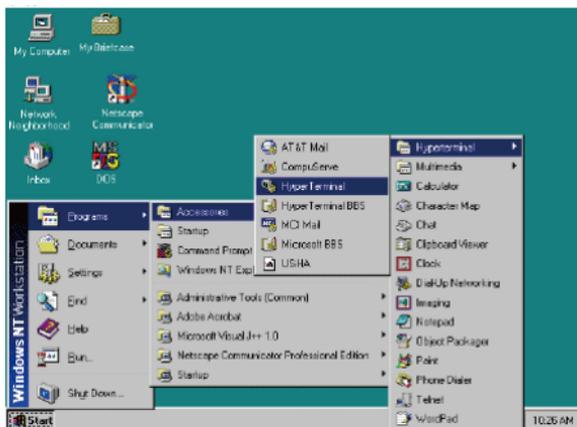
Network Management Card Hardware Installation:

1. Insert Card into the slot provided by UPS,
put the screws and tighten them.
2. Procure a Windows computer.
3. Use the RJ45 to DB9 female serial cable that provided
from package connects between the NMC COM port
and the COM port on the workstation.

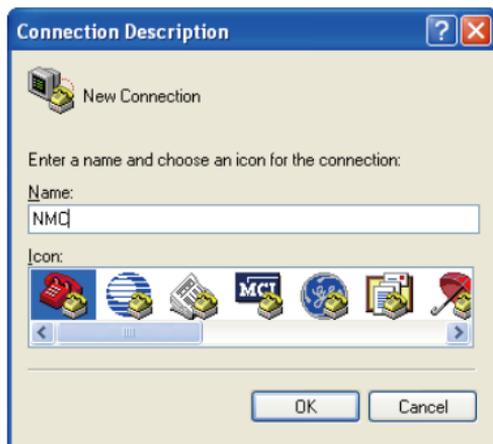


Configuring Network Management Card via Serial Port

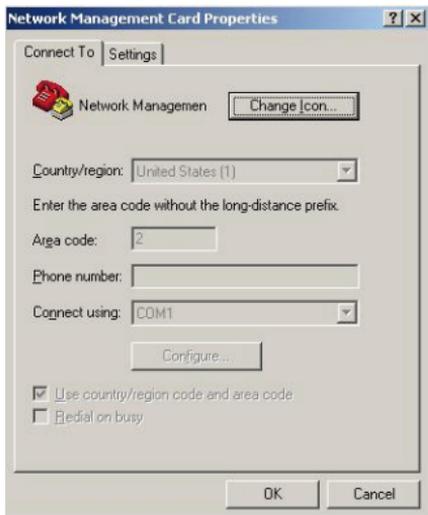
1. For Microsoft Windows XP or other Windows operation systems that support Hyper Terminal, click Start->Programs->Accessories ->Hyper terminal.



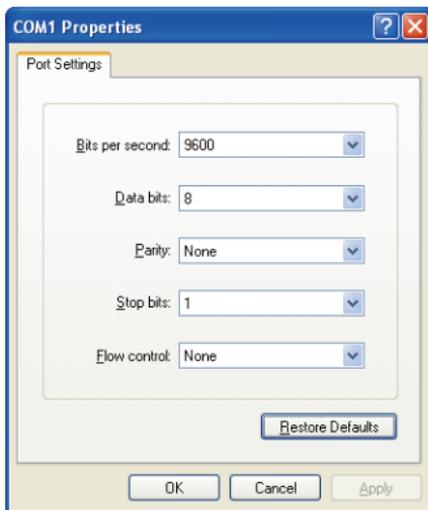
2. Enter a name and click OK.



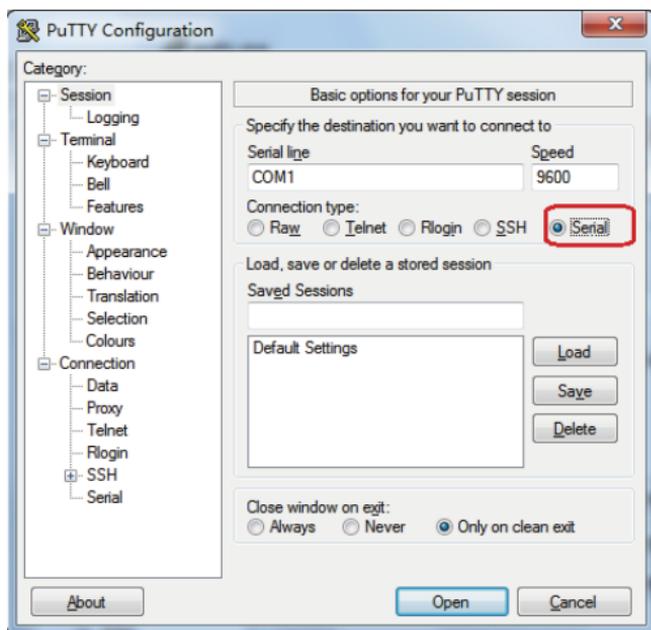
3. Select the correct COM port and click OK.



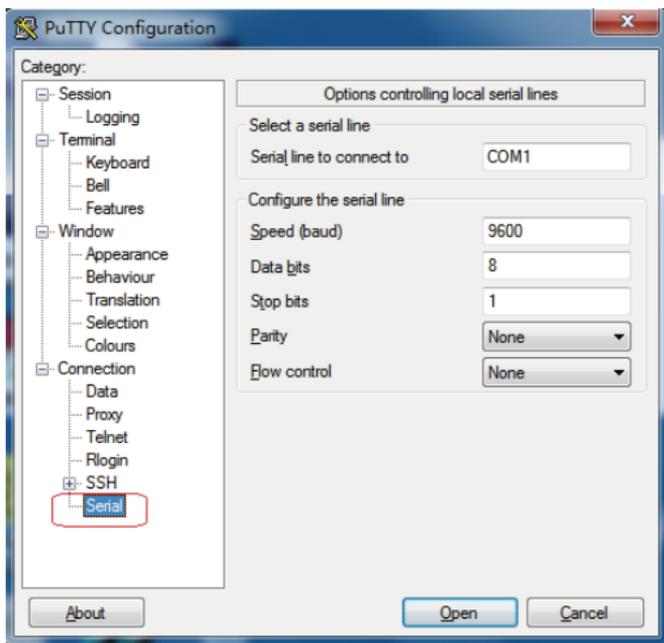
4. Configure the port setting as 9600 bps, 8 data bits, None (parity), 1 Stop bit and None Flow Control. Then click OK.



5. For Microsoft Windows XP above Windows version, communicate with serial port via serial port debug tool (Putty is used as example in this manual)。 Double click Putty setup icon, open Putty and select serial session.



6. Select “Serial” node on the left tree, and configure the parameters of the serial port on the right window: 9600 bps, 8 bits, None parity, 1 stop bit and None flow control. And then open the putty serial communication window by click “open” button.



Control the Network Management Card/UPS via Web Browser

Start your Web Browser; enter the Network Management Card IP address in the Address text box, the Network Management Card Web page will be shown on the Browser.

Some setting pages need to enter the user name and password to log in. The default user name is “root” and default password is “password”.

The screenshot shows a Microsoft Internet Explorer browser window displaying the 'NETWORK MANAGEMENT CARD FOR UPS' web interface. The browser's address bar shows 'http://172.16.127.52/'. The page title is 'NETWORK MANAGEMENT CARD FOR UPS' and the user is logged in as 'DIN LING' from 'Loc:Office' on '15/11/2011 11:18:45'. The main content area is titled 'UPS Monitoring > UPS Status' and contains a table of UPS parameters. A left-hand navigation menu lists various monitoring and management options.

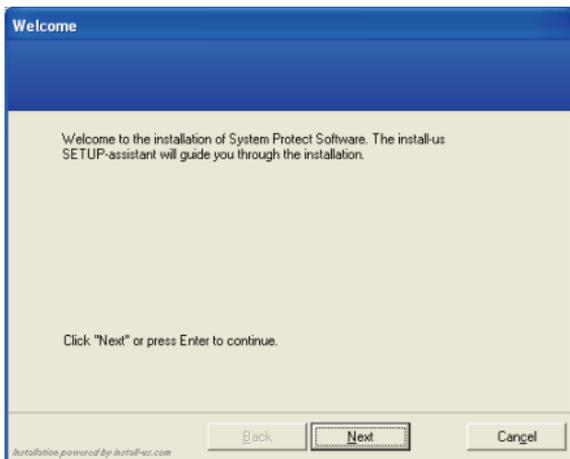
UPS Monitoring > UPS Status		help
UPS Status	Line	
UPS Temperature	34.9 °C	
Input		
Voltage	224.5 V	
Frequency	50.0 Hz	
Output		
Load(%)	0	
Voltage	221.5 V	
Frequency	50.1 Hz	
Current	0.2 A	
Watt	0 W	
Battery		
Status	Battery Normal	
Capacity(%)	100	
Voltage	408.9 V	
Time On Battery	0.0	
Backup Time	20000 S	

Left-hand navigation menu:

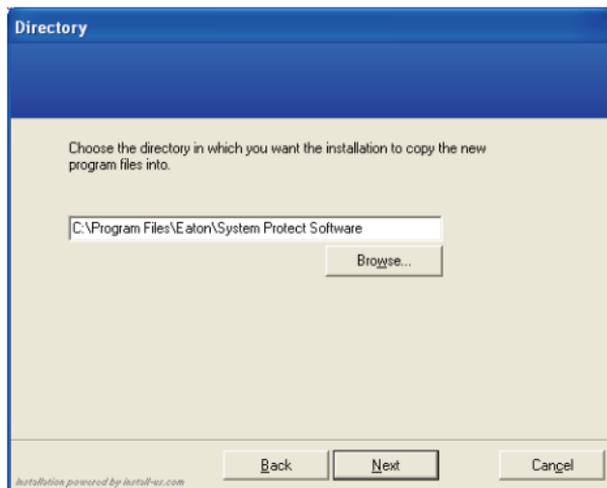
- UPS Monitoring
- UPS Status
- UPS Alarm
- UPS Parameters
- UPS Powered Devices
- UPS Identification
- UPS Management
- UPS Battery Test
- UPS Battery Test Schedule
- SNMP TRAP Receivers
- UPS Configuration
- UPS Control
- UPS Shutdown
- Shutdown Schedule
- Settings
- NMC System
- Reboot System
- Date and Time
- SNMPV3 USM Table
- Email Notification
- Firmware Upload
- File Management
- Log
- UPS Log
- Event Log
- System Log

System Protect Software (Windows) Setting

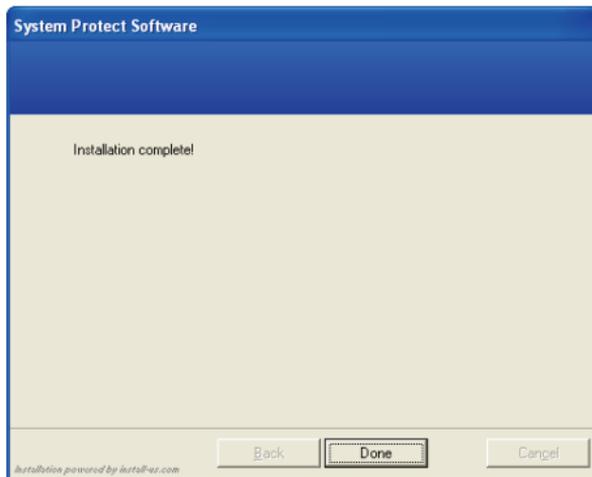
1. Double click the setup.exe



2. Display install software screen



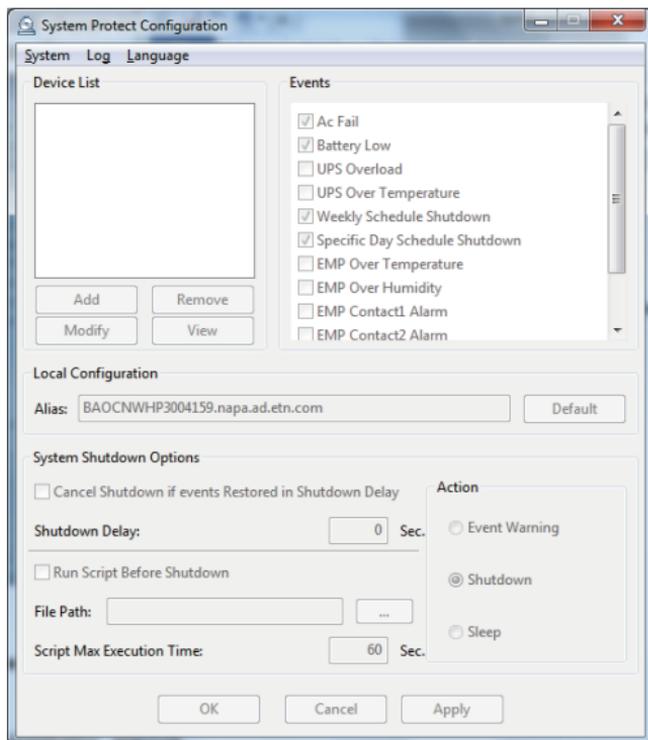
3. Install complete



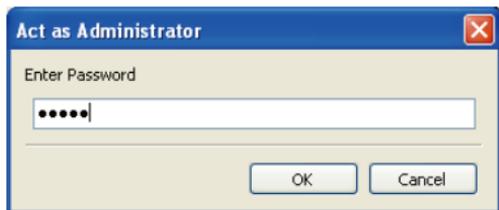
4. Start up from window (start->All Programs->System Protect Software->Start System Protect Service)

5. Setting the SPS.

Right click the SPS icon shown in system tray and select the “Configuration”

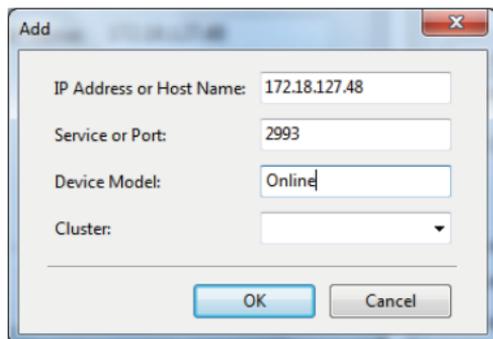


System->act as administrator, and enter the default password “admin”.



6. Add NMC

Click “Add” button, and then entering the popped window. Enter the NMC IP address and device model.



IP Address or Host Name: 172.18.127.48

Service or Port: 2993

Device Model: Online

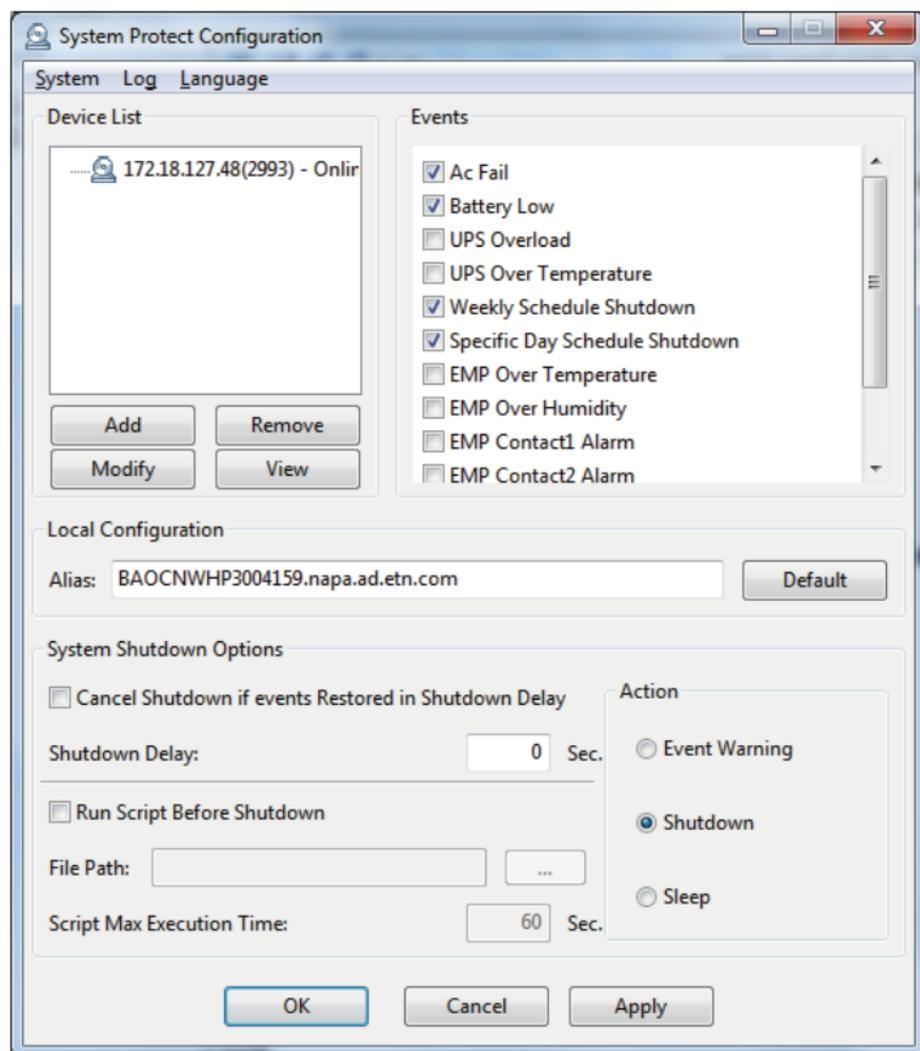
Cluster:

OK Cancel

The connection between SPS and NMC has established.



Other settings:



7. Enter the default password “password” and the Network Management Card Configuration Menu will display on the screen.

```
NMC Version x.x.x.x
```

```
+-----+
|               Network Management Card Configure Menu               |
+-----+
```

```
Password: _
```

8. Enter “1” to enter the Agent Configuration Menu.

```
+-----+
|               Network Management Card Configure Menu               |
+-----+
```

- 1. IP Configurations
- 2. Pass Through
- 3. Reset Configuration to default
- 4. Restart
- 5. Change Password
- 0. Exit

```
Please Enter Your Choice :
```

9. Assign an IP address and set the correct Subnet Mask; Gateway; DHCP.

```
Please Enter Your Choice : 1
```

```
+-----+
|               IP Configure Menu                                   |
+-----+
```

- ```
MAC Address : 00:20:85:F7:10:1F
1. DHCP : Enable
 IP address : 172.18.127.45
 Subnet mask : 255.255.255.0
 Gateway : 172.18.127.1
 Primary DNS address : 172.18.121.17
 Secondary DNS address : 151.110.232.21
7. IPv6 Configure
0. Return to previous menu
```

```
Please Enter Your Choice : _
```

# EMP Connection(optional)

The Environment Monitor Probe is a NMC option. It monitors the temperature and humidity of the UPS environment, and check the states of two external contacts. It can also send alarms (email, trap) by pre-set thresholds. Connection is made via the setting port on the NMC, the EMP is detected automatically. Configuration could be made via UPS configuration menu.

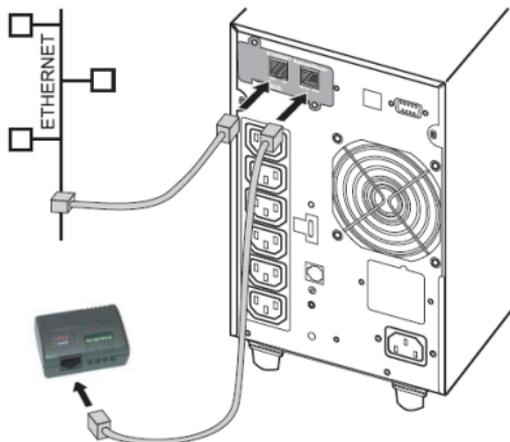
NETWORK MANAGEMENT CARD FOR UPS

ON-LINE  
Location: Office  
01/01/2000 00:22:00

UPS Management - UPS Configuration [help](#)

| UPS                                 | Value |
|-------------------------------------|-------|
| Over Load Set Point(%)              | 40    |
| Over Temperature Set Point(°C)      | 50    |
| <input type="button" value="Save"/> |       |

| EMP                                 | Auto            |                             |                             |
|-------------------------------------|-----------------|-----------------------------|-----------------------------|
| <input type="button" value="Save"/> |                 |                             |                             |
| SENSOR                              | Description     | Low Point                   | High Point                  |
| Temperature(°C)                     | EMP Temperature | <input type="checkbox"/> 15 | <input type="checkbox"/> 50 |
| Humidity(%)                         | EMP Humidity    | <input type="checkbox"/> 50 | <input type="checkbox"/> 90 |
| Alarm-1                             | Alarm-1         | Not Used                    |                             |
| Alarm-2                             | Alarm-2         | Not Used                    |                             |
| <input type="button" value="Save"/> |                 |                             |                             |



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The crossed-out wheeled bin symbol indicates that waste electrical and electronic equipment should not be discarded together with unseparated household waste, but must be collected separately. The product should be handed in for recycling in accordance with the local environmental regulations for waste disposal.

By separating waste electrical and electronic equipment , you will help reduce the volume of waste sent for incineration or land-fills and minimize any potential negative impact on human health and environment.

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