

# **Installation Manual for Riello UPS Netman 204 interface card**

**Station:**

EDA Office

**Netman 204:**

Netman 204: 4EAE9198 – 4GB

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## Overview

This documentation is used for the successful configuration of the Netman 204 used on the Riello UPS systems. The Netman interface cards are pre-installed and setup to that specific UPS for monitoring of the events and health of the UPS. The configuration of the Netman 204 can be done through various instances, although this manual will mainly focus on the configuration via USB and configuration via HTTP.

## Hardware Requirements

The hardware required for the setup of the Reillo UPS interface via the Netman 204 network card is as follows:

- Computer or Laptop with Windows OS
- Micro-USB to USB cable
- CAT-5 ethernet cable
- Local network switch

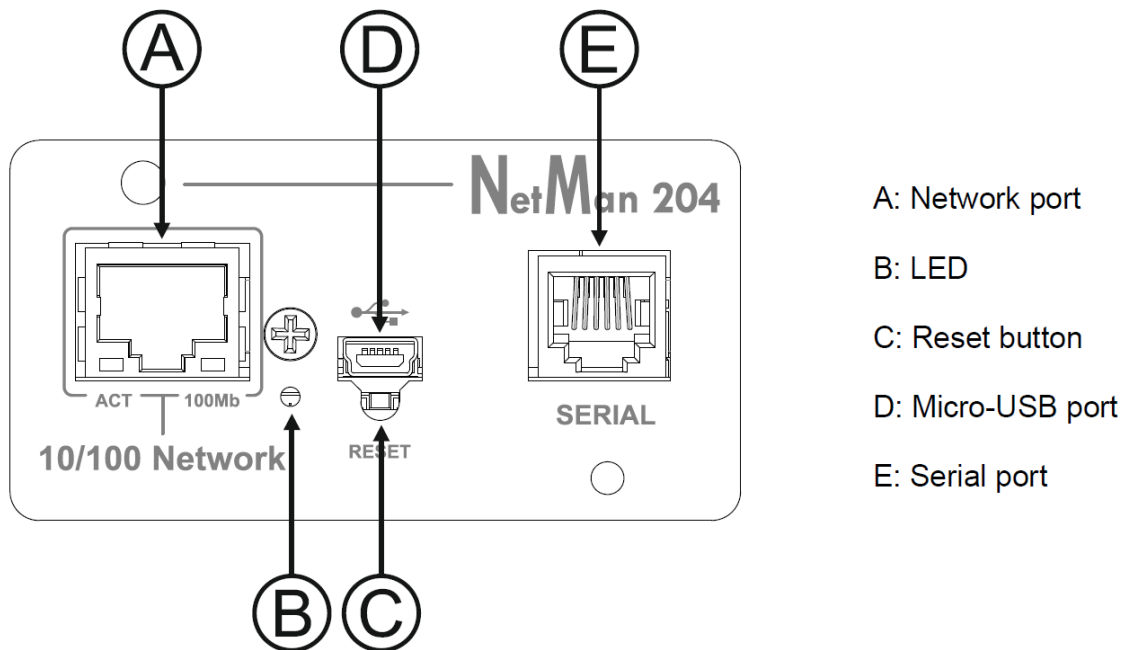
## Software Requirements

The software required for the setup and configuration of the Netman 204 on a Windows OS computer or laptop, will be as follows:

- Putty or equivalent terminal emulator
- Netman 204 USB drivers

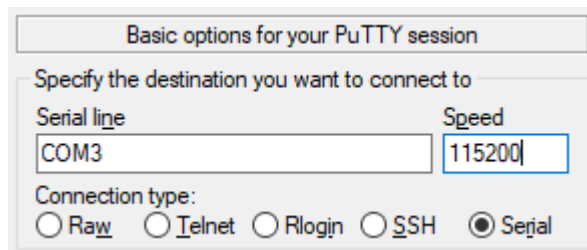
## Setup Procedure

In order to make sure the Netman 204 interface card is in the correct state to setup, please refer to the diagram below when following the instructions.

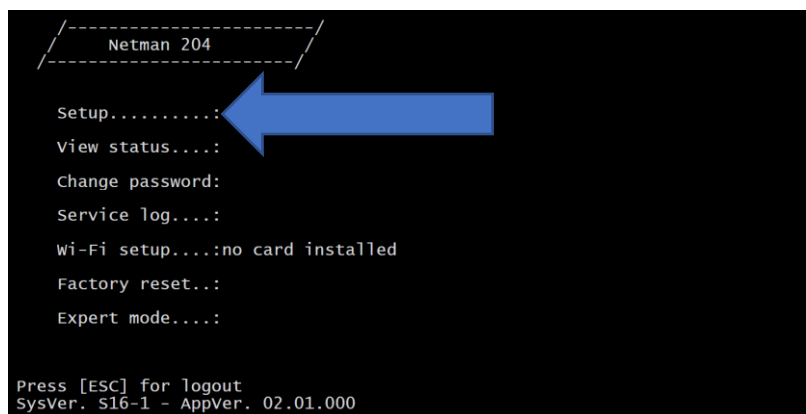


1. Press and hold down the Reset button [C]
2. The LED [B] will flash for 10 seconds, until it appears solid red then release the reset button.
3. This will put the interface card in its predefined configuration.
4. Connect the Micro-USB cable to the port D on the Netman.
5. Load the Netman 204 driver onto the computer.
6. Once you've connected the USB cable to the computer, open Device Manager. Also connect the ethernet cable to your local network switch.
7. Under the "Ports (COM & LPT)" drop down section, locate the Netman 204 device and open the properties settings.

8. Confirm the port number (COM |?|) and adjust the “Port Settings” to the following:
  - a. Bites per second: 115200
  - b. Data bits: 8
  - c. Parity: None
  - d. Stop bits: 1
  - e. Flow control: None
9. Press the “Enter” key to confirm the setup.
10. Open a new Putty Session with the “Serial” connection type selected.
11. Enter the COM port number and Baud rate as below and press “Enter”:



12. The Netman user interface will open prompting for login details.
13. Enter the following: (default)
  - a. Login: admin
  - b. Password: admin
14. Navigate to the “Setup” selection



15. The Setup is used to enter the main configuration menu.

16. In the main configuration window, select the IP Config. Submenu.

```

/-----/
|          Setup          |
|-----|

IP config.....:<--
Wi-Fi setup....:
Enable Sensors.:
Sensors Config.:
Expert mode....:
Factory reset...:
Reboot.....:
Press [Esc] to quit
SysVer. S16-1 - AppVer. 02.01.000
  
```

17. Press “Enter” to display the IP configuration submenu and enter the following details:

```

/-----/
|          IP config      |
|-----|

Hostname.....:ups-server
IP address/DHCP:DHCP
Netmask.....:
Gateway.....:
Primary DNS...:
Secondary DNS..:
  
```

18. The Hostname will be SANSA-UPS.

19. Configure to “DHCP” in all instances.

20. Press “Esc” and “Y” to confirm the new settings, with a similar screen being displayed as below:

```

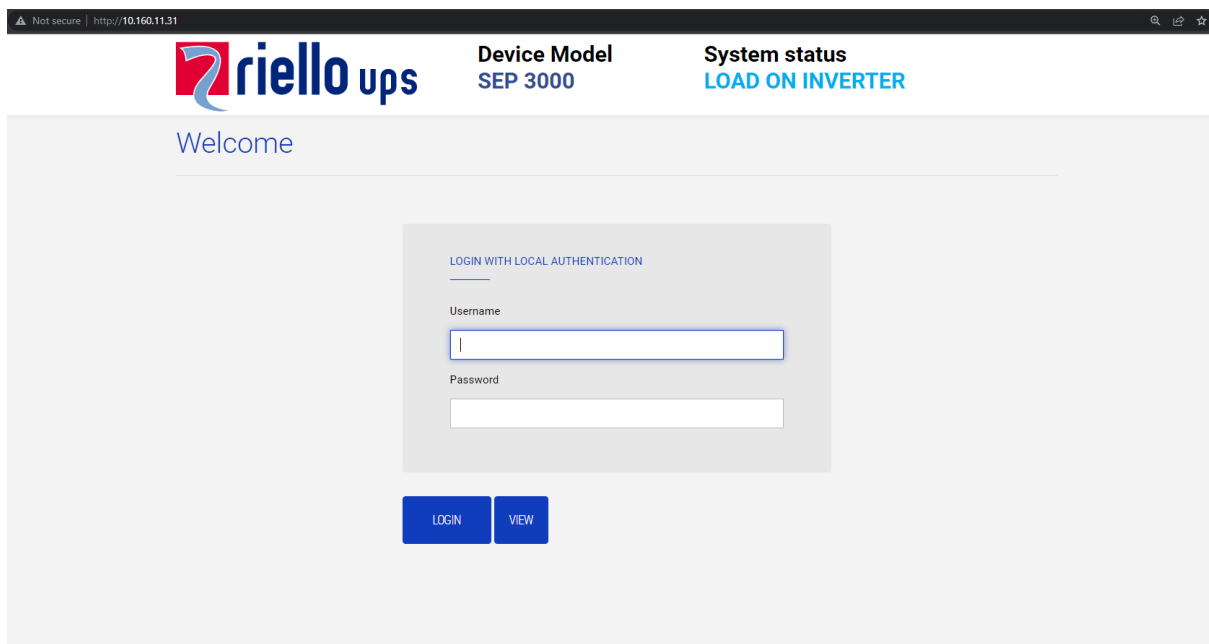
eth0      Link encap:Ethernet  HWaddr 00:02:63:04:07:b1
          inet addr:10.1.11.19  Bcast:10.1.255.255  Mask:255.255.0.0
          inet6 addr: fe80::202:63ff:fe04:7b1/64  Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:145877 errors:0 dropped:0 overruns:0 frame:1
          TX packets:4899 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:12740380 (12.1 MiB)  TX bytes:2115614 (2.0 MiB)
  
```

21. Exit the configuration

## Web Configuration

After the Netman 204 has been setup with the USB interface, open a browser on the computer. Remember the ethernet cable needs stay connect to the Netman card and the local network switch.

Type the new generated IP address into your browser, a new login window will appear as follow:



The screenshot shows a web browser window with the address bar displaying "Not secure | http://10.160.11.31". The page header includes the "riello ups" logo, "Device Model SEP 3000", and "System status LOAD ON INVERTER". The main content area features a "Welcome" message and a "LOGIN WITH LOCAL AUTHENTICATION" section. This section contains a "Username" field with a cursor, a "Password" field, and two buttons labeled "LOGIN" and "VIEW".

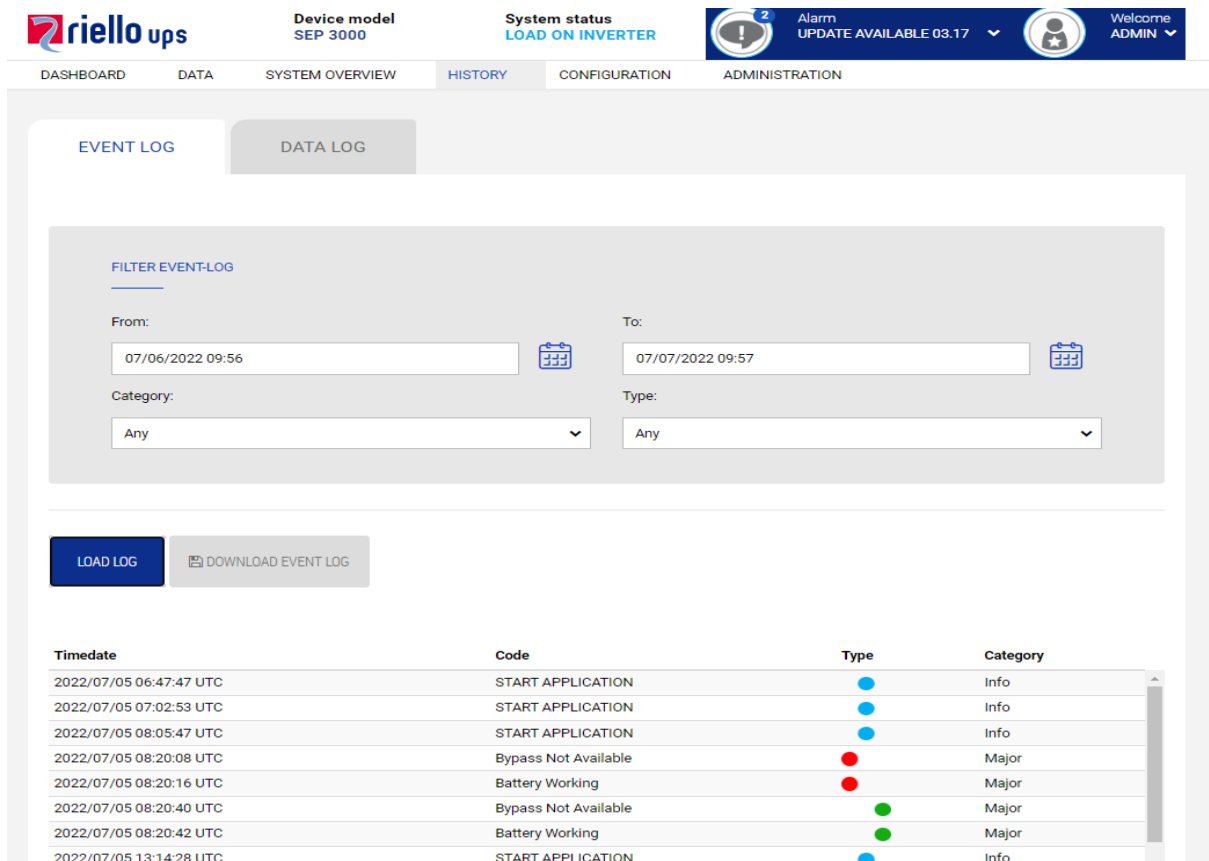
Type in the same login details used for the USB configuration with username being "admin" and Password being "admin", then press enter.

The Riello UPS Dashboard will be active, displaying the status of the UPS.



Navigate to the “History” tab to display the “Event Log”

From here, enter a date or period to display and/or download the event log.





## **Conclusion**

These event logs will need to be monitored on a regular basis with the event log files downloaded into an archive for future reference. Please refer to the official user manual for the Netman 204 as well for any clarity and/or troubleshooting required.

These documents with the required driver software will be located on the main data server under the instrumentation directories.

Contact the SANSa EDA department for any support required.