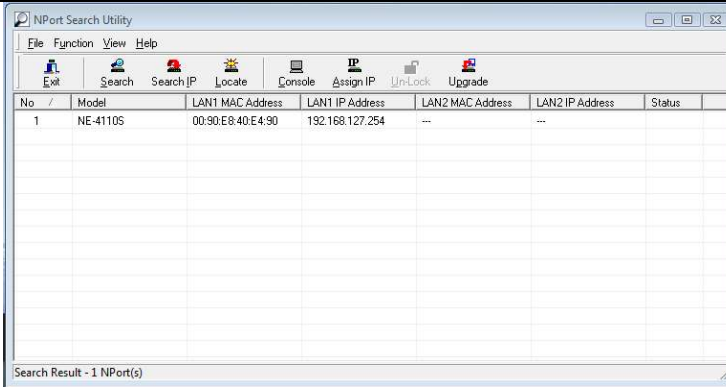
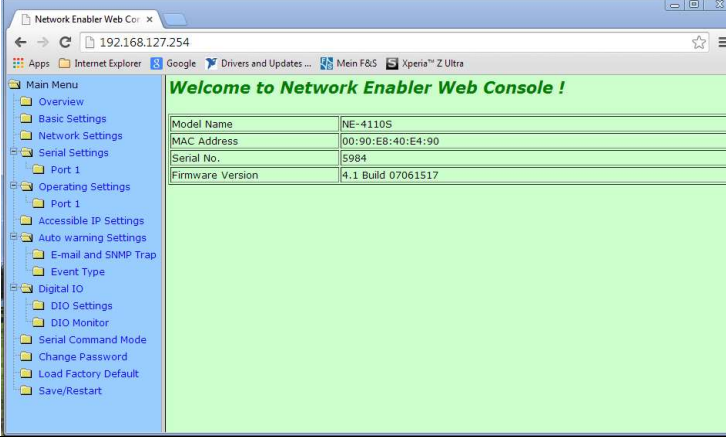
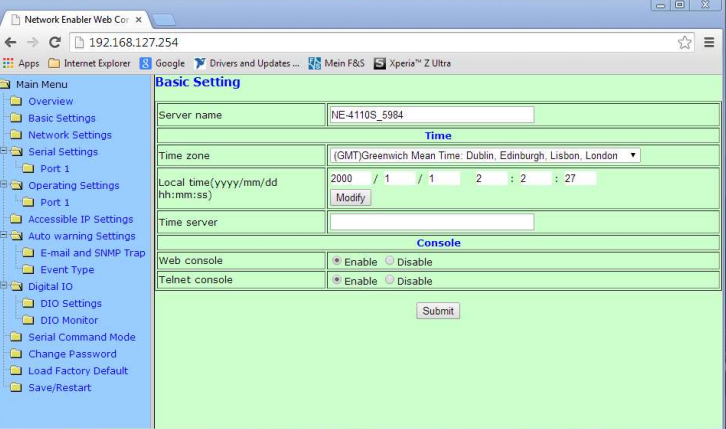


Communication Setup 108A Ethernet (LAN)

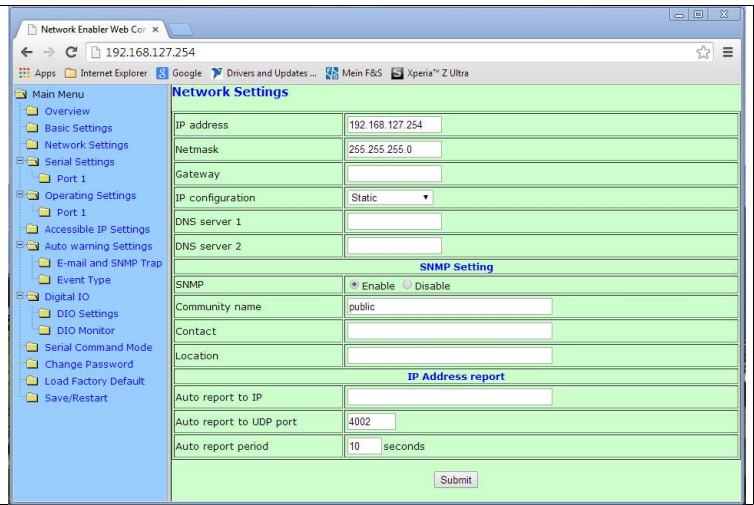
The 108A with Ethernet interface is shipped with default IP address **192.168.127.254** and subnet mask: 255.255.255.0. You can use the Network Enabler Web Console to set up the communication.

Use a **cross-over** Ethernet cable to connect the 108A to the computer.

<p>1)</p> <p>Launch Nport Search Utility program (found on CD-ROM) and press the Search button.</p> <p>The MAC address and IP address are displayed. Now press Console to start the Network Enabler Web Console.</p>	 <table border="1"><thead><tr><th>No</th><th>Model</th><th>LAN1 MAC Address</th><th>LAN1 IP Address</th><th>LAN2 MAC Address</th><th>LAN2 IP Address</th><th>Status</th></tr></thead><tbody><tr><td>1</td><td>NE-41105</td><td>00:90:E8:40:E4:90</td><td>192.168.127.254</td><td>---</td><td>---</td><td></td></tr></tbody></table>	No	Model	LAN1 MAC Address	LAN1 IP Address	LAN2 MAC Address	LAN2 IP Address	Status	1	NE-41105	00:90:E8:40:E4:90	192.168.127.254	---	---	
No	Model	LAN1 MAC Address	LAN1 IP Address	LAN2 MAC Address	LAN2 IP Address	Status									
1	NE-41105	00:90:E8:40:E4:90	192.168.127.254	---	---										
<p>2)</p> <p>Welcome page with MAC address and more information.</p>	 <p>Welcome to Network Enabler Web Console !</p> <table border="1"><tr><td>Model Name</td><td>NE-41105</td></tr><tr><td>MAC Address</td><td>00:90:E8:40:E4:90</td></tr><tr><td>Serial No.</td><td>5984</td></tr><tr><td>Firmware Version</td><td>4.1 Build 07061517</td></tr></table>	Model Name	NE-41105	MAC Address	00:90:E8:40:E4:90	Serial No.	5984	Firmware Version	4.1 Build 07061517						
Model Name	NE-41105														
MAC Address	00:90:E8:40:E4:90														
Serial No.	5984														
Firmware Version	4.1 Build 07061517														
<p>3)</p> <p>Use the browser to check or modify the Basic Settings. Press Submit after editing.</p>	 <p>Basic Setting</p> <p>Server name: NE-41105_5984</p> <p>Time</p> <p>Time zone: (GMT/Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London)</p> <p>Local time: 2000 / 1 / 1 2 : 27</p> <p>Time server:</p> <p>Console</p> <p>Web console: <input checked="" type="radio"/> Enable <input type="radio"/> Disable</p> <p>Telnet console: <input checked="" type="radio"/> Enable <input type="radio"/> Disable</p> <p>Submit</p>														

4)

Use the browser to check or modify the **Network Settings**. Press **Submit** after editing.

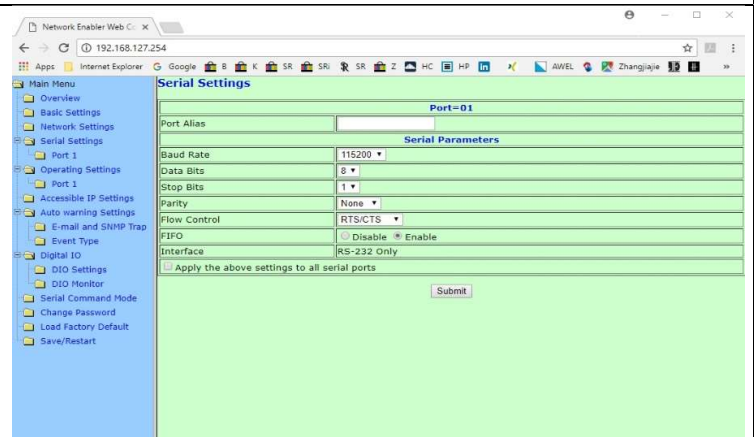


The screenshot shows the 'Network Settings' page in the Network Enabler Web Console. The left sidebar contains a 'Main Menu' with options like Overview, Basic Settings, Network Settings, Serial Settings, Operating Settings, Accessible IP Settings, Auto warning Settings, E-mail and SNMP Trap, Digital IO, DIO Settings, DIO Monitor, Serial Command Mode, Change Password, Load Factory Default, and Save/Restart. The main content area is titled 'Network Settings' and includes fields for IP address (192.168.127.254), Netmask (255.255.255.0), Gateway, IP configuration (Static), DNS server 1, and DNS server 2. Below these are 'SNMP Setting' fields for Enable/Disable, Community name (public), Contact, and Location. An 'IP Address report' section has fields for Auto report to IP, Auto report to UDP port (4002), and Auto report period (10 seconds). A 'Submit' button is at the bottom right.

5)

Use the browser to check or modify the **Serial Settings**:
Baud Rate: 115200
Data Bits: 8
Stop Bits: 1
Parity: None
Flow Control: RTS/CTS

Press **Submit** after editing.

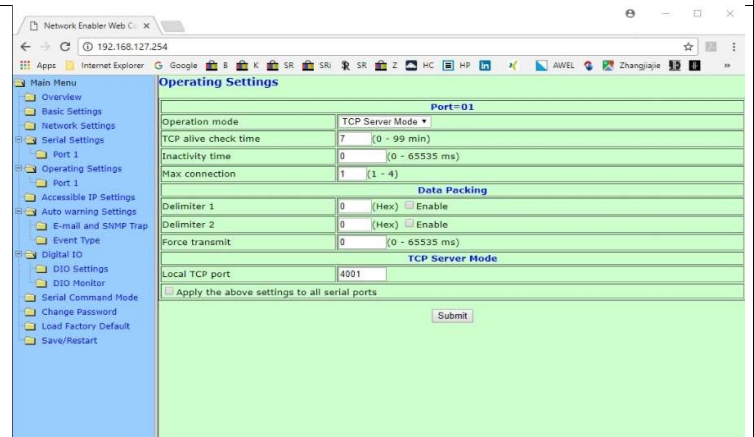


The screenshot shows the 'Serial Settings' page for 'Port=01'. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Serial Settings' and includes a 'Port Alias' field. The 'Serial Parameters' section has fields for Baud Rate (115200), Data Bits (8), Stop Bits (1), Parity (None), Flow Control (RTS/CTS), and FIFO (Disable/Enable). The 'Interface' is set to 'RS-232 Only'. There is an 'Apply the above settings to all serial ports' checkbox and a 'Submit' button at the bottom right.

6)

Use the browser to check or modify the **Operating Settings**.

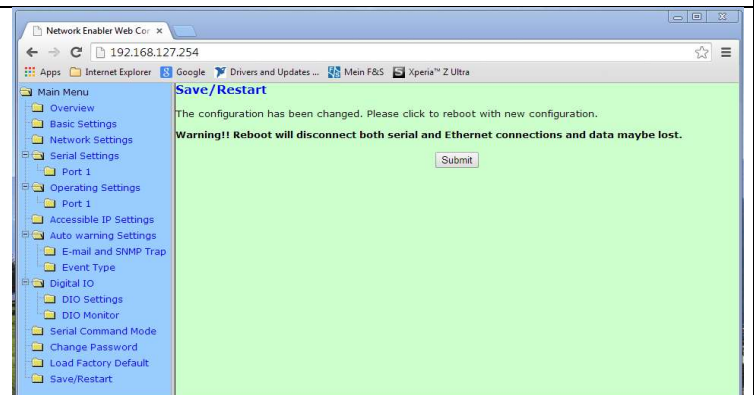
Select the **TCP Server Mode** and press **Submit** after editing.



The screenshot shows the 'Operating Settings' page for 'Port=01'. The left sidebar is the same. The main content area is titled 'Operating Settings' and includes 'Operation mode' (TCP Server Mode), 'TCP alive check time' (7), 'Inactivity time' (0), and 'Max connection' (1). The 'Data Packing' section has fields for Delimiter 1 and 2 (0 Hex) and Force transmit (0). The 'TCP Server Mode' section has a 'Local TCP port' field (4001). There is an 'Apply the above settings to all serial ports' checkbox and a 'Submit' button at the bottom right.

7)

Save and Restart. Press **Submit**.




The screenshot shows the 'Save/Restart' page. The left sidebar is the same. The main content area is titled 'Save/Restart' and contains a message: 'The configuration has been changed. Please click to reboot with new configuration. Warning!! Reboot will disconnect both serial and Ethernet connections and data maybe lost.' There is a 'Submit' button at the bottom right.

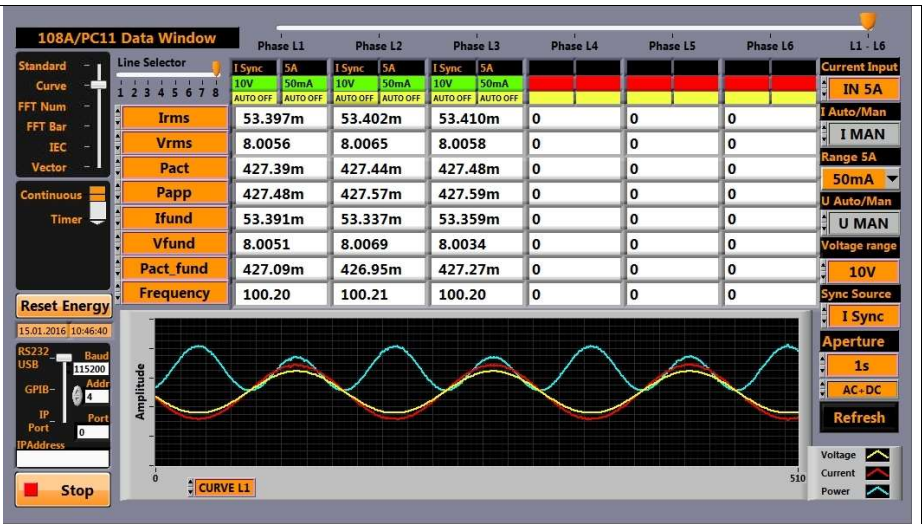
12)

Launch 108A software.
Move slider to **IP/Port** and enter:

Port.No.: 4001

IP 192.168.127.254

Then press  to start the software.



The 108A software is running now using the Ethernet interface.