Connecting MOXA NPort P5150A to CMS

Abstract

This document describes how to configure the MOXA NPort P5150A as an LAN (IP) connected serial port to the CMS.

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1 General

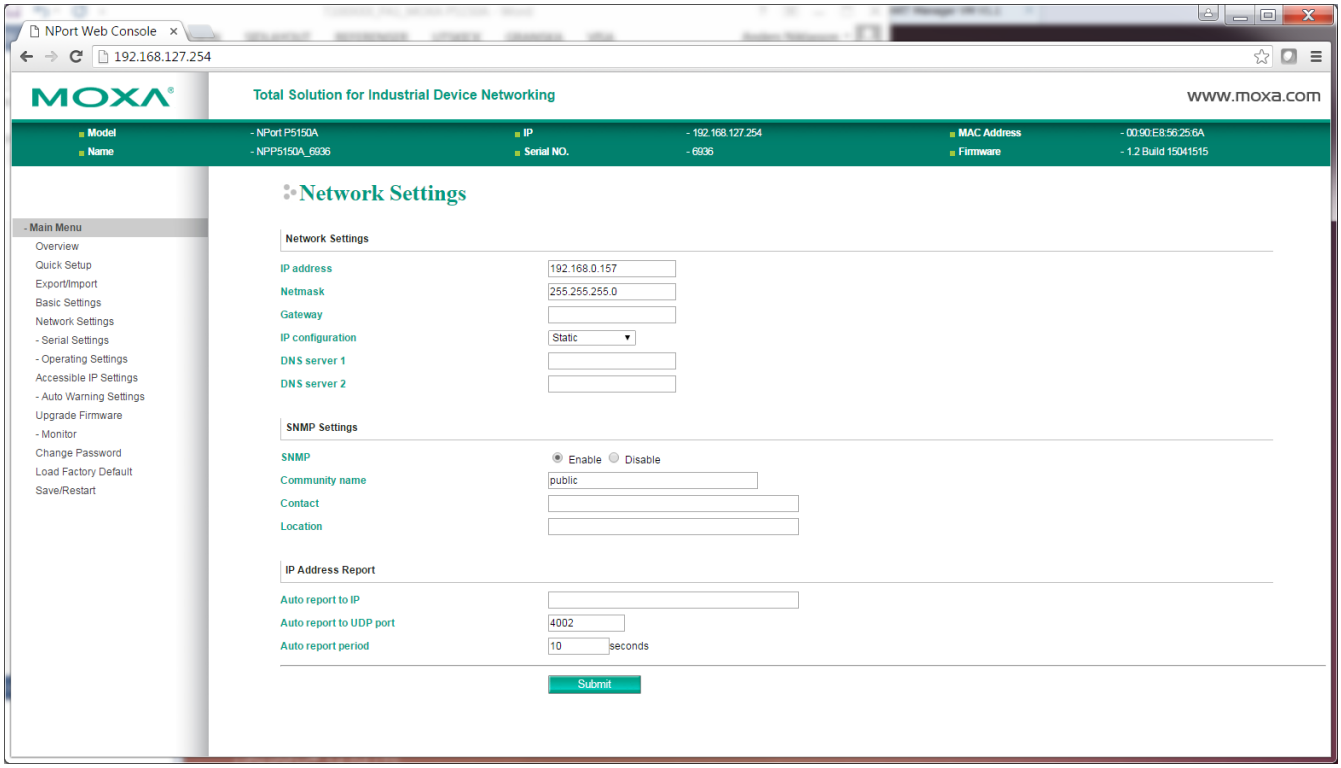
This document only describes the settings needed to configure the NPort5150A so it works together with the COBS CMS. For more information on all settings, specifications, hardware installation etc. see the documentation from MOXA (www.moxa.com).
For more information on the CMS configuration, see T100192.

2 NPort P5150A Configuration

All configuration of the NPort5150 is done using a web browser, connect to the NPort P5150A on its default IP address 192.168.127.254.

2.1 Network Settings

Click on “Network Settings” in the left “Main Menu”
Configure a static IP Address, netmask and gateway. In this example we use “192.168.0.157”, “255.255.255.0” and no gateway.

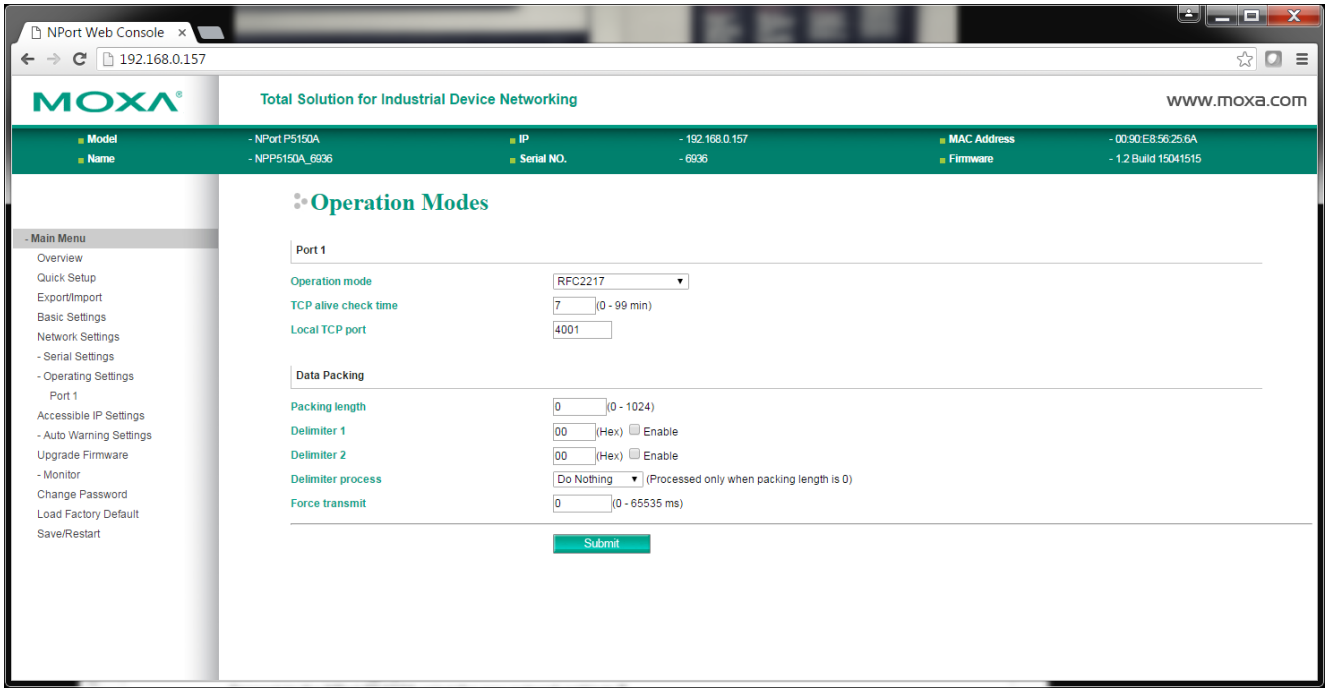


Click on “Submit” to save settings, then restart the NPort 5150A.

2.2 Serial Settings

Connect to the NPort P5150A using the new network settings.

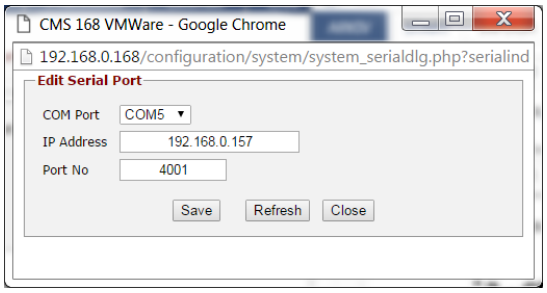
Click on “Operating Settings” -> “Port1” in the left “Main Menu”.
Select “Operating Mode” = “RFC2217” and leave the port number as default 4001.



Click on “Submit” to save settings, then restart the NPort 5150A.

3 CMS Configuration

Under “System”->”Serial Ports”, click on “Add New Serial Port”.
Select a free COM Port, enter the IP address and port of the NPort P5150A.
In the example above the IP address is “192.168.0.157” and the NPort 5150A default port “4001”.

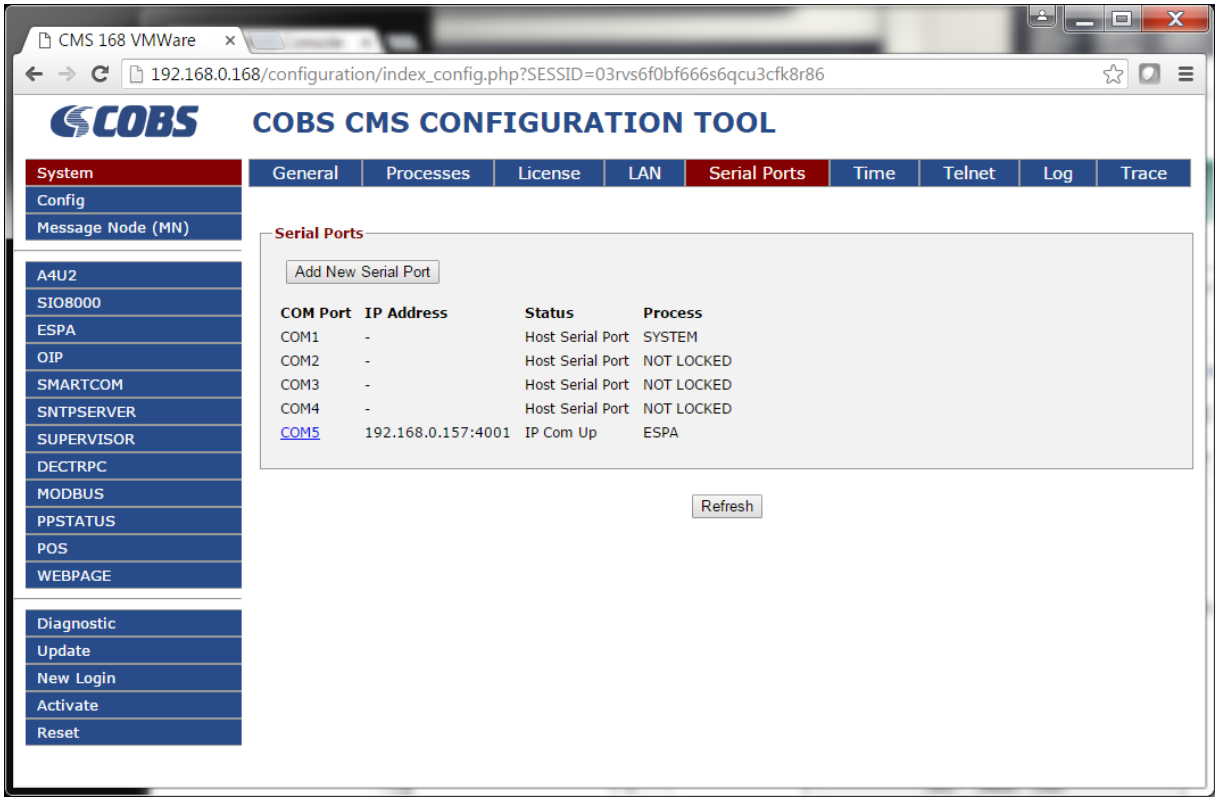


Click on Save.

Configure a CMS process to use the COM5, for example an ESPA process.
Reset the CMS.

After the reset, go to “System”->”Serial Ports”, the Status shall now be “IP Com Up”.

NOTE!
The Status will be “IP Com Down” as long as no CMS process is configured to the serial port.



4 Document History

160509	RA	First edition