IP Configuration tool

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Overview

You can use ABB IP Configuration Tool to change the network settings of these products

- NETA-01 Ethernet adapter for remote monitoring
- SREA-01 Ethernet adapter for remote monitoring
- SREA-50 Remote monitoring adapter
- SEDG-01 Ethernet – Devicenet gateway for DriveBrowser
- SECG-01 Ethernet – ControlNet gateway for DriveBrowser

System Requirements of ABB IP Configuration Tool

- Pentium 133 MHz or higher
- 50 Mb of free space on the hard drive
- Win 2000/XP/Vista/ Win 7
- Network Interface Card (Ethernet)

Installing ABB IP Configuration Tool

To install ABB IP Configuration Tool, double click on the ‘IP Configuration Tool Setup.exe’ file.
The installer starts. Follow the instructions given in the install wizard to finish the installation.

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After installation, the software can be started by selecting ABB Drives – IP Configuration Tool – IP Configuration Tool from the Start menu of Windows.

Scanning for connected devices

First ensure that you have connected the devices you want to install on the same Ethernet network as the PC is connected to. Use standard Ethernet cables, straight-through or crossover cable depending on how you connect to the device.

When the ABB IP Configuration Tool is started, it will scan the Ethernet network for compatible devices. All detected devices will be presented in a list in the main window. If you want to force a new scan for devices, you can press the ‘Scan’ button.

Note: Some software firewall applications block the network packets sent or received by the IP Configuration Tool. If this happens, you may need to disable your software firewall temporarily. Be sure not to connect to an insecure network while operating without a firewall application.

Descriptions of the columns
IP The IP address of the device
SN The subnet mask
GW The default gateway
DHCP Dynamically assigned IP address On/Off
Version Firmware version of the module
Type Product type (e.g. SREA-01)
MAC The Ethernet MAC address (unique for each unit, printed on the side label)

Changing IP settings by ABB IP Configuration Tool

To change the IP settings on a detected device, double click on the device you want to configure in the list of devices. This will open up a dialog where you can enter the desired IP configuration.

To obtain the necessary information about IP address, subnet mask etc., contact your network administrator.

Descriptions of the parameters
IP Address The IP address of the device
Netmask The subnet mask
Gateway The default gateway
Primary DNS The primary Domain Name Server (optional)
Secondary DNS The secondary Domain Name Server (optional)
Host Name Here you can enter a hostname of your device (optional).

Note: Do not set DHCP to “On” if you do not have a DHCP server available on the network. To change the settings, you have to give the administrator password of the device. The default password for authentication of the new settings is **admin**. You can also change the password by typing the old password in the ‘Password’ field, selecting the ‘Change password’ checkbox and typing the new password in the ‘New password’ field. Pressing ‘Set’ will cause the device to reboot and after that the new settings will be enabled.

You can test the new settings by opening a web-browser and entering the IP you assigned to the device. If you selected DHCP and want to know what IP your device have been assigned, you can do a new scan with the ABB IP Configuration Tool to view the new network configuration.

Troubleshooting guide

Problem: ABB IP Configuration Tool does not find any devices
Some firewall applications block the ABB IP Configuration Tool. If you are experiencing problems with finding the device, try disabling your firewall.
Make sure that device is connected to the same network as the PC without any gateways.
Try using a crossover Ethernet cable and connecting the PC to device directly.

Problem: The configuration remains unchanged after rebooting the device
Some devices such as NETA-01, SEDG-01 and SECG-01 has inbuilt dip switches for setting the fixed IP address. ABB IP Configuration Tool cannot override those fixed settings.
Disable manual IP address configuration and re-try to set networks parameters with ABB IP Configuration Tool.