

Models

- RPB11** (1 BACnet port)
RPB12 (2 BACnet ports)

Description

The RPB BACnet router interconnects the different BACnet network technologies such as BACnet MS/TP and BACnet IP/Ethernet to form a BACnet internetwork. It is available with 1 or 2 BACnet MS/TP ports and a RJ45 connection for IP services. All the network management settings can be configured via the embedded web server.

Features

Power

- 24Vac or 24Vdc supply

Installation

- Up to 32 or 64 BACnet devices without the use of additional line drivers
- Simple web-based configuration for BACnet IP and MS/TP communication
- Connect using expansion slot to convert CMMB100E and CMMB102E as IP I/O cards
- Support up to 3 mini I/O cards in any combination and make them IP ready while maintaining the MS/TP ports for BACnet routing



RPB Series

Network Communication

- BACnet MS/TP, IP or Ethernet
- Select MAC address via DIP switch or via network

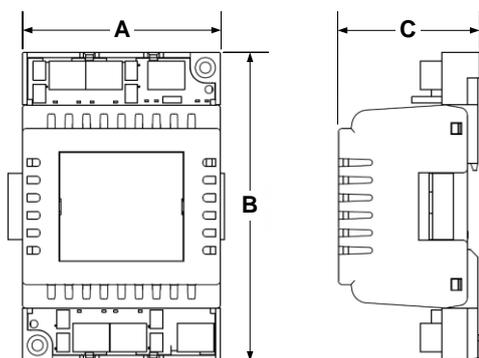
BACnet MS/TP

- MS/TP @ 9600, 19200, 38400, 57600, 76800 or 115200 bps
- Automatic baud rate detection
- Automatic device instance configuration

BACnet IP / BACnet Ethernet

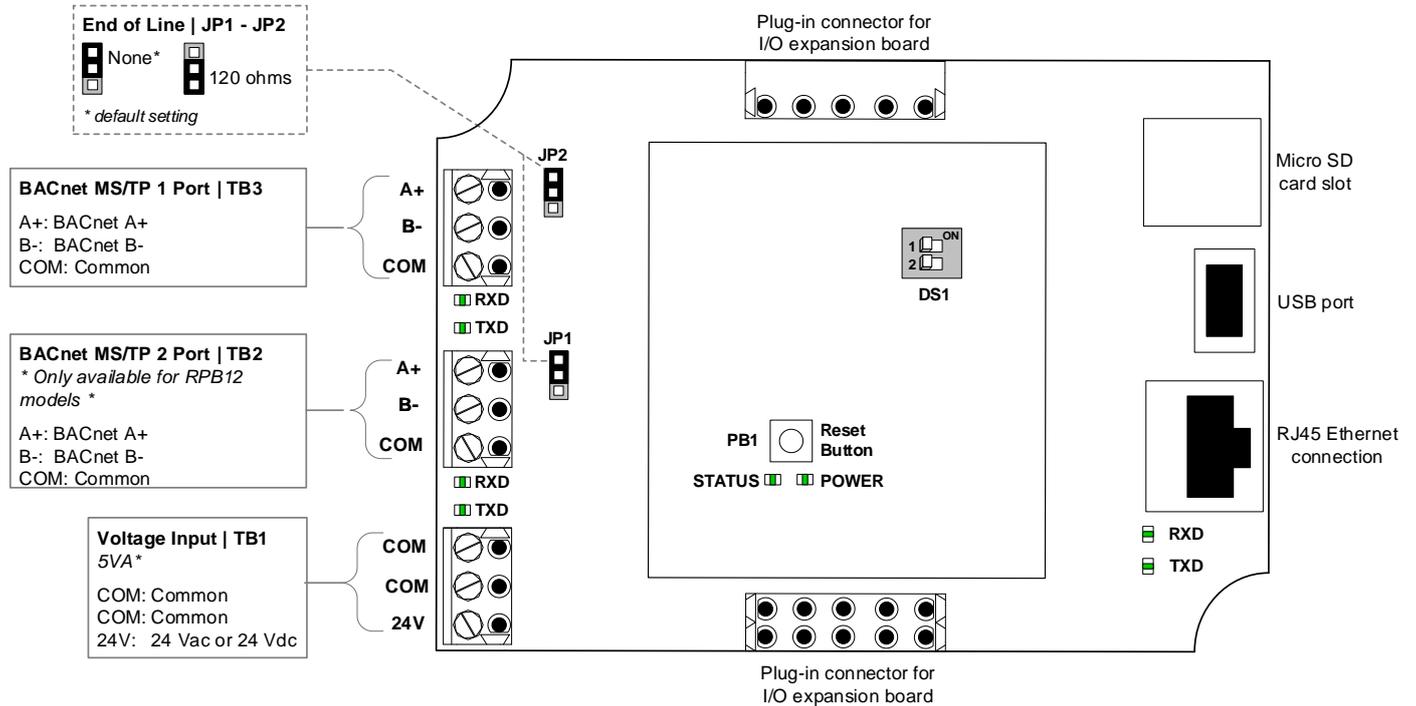
- All IP / Ethernet configuration via on board web page.
- Supports DHCP or fixed/static addressing

Technical Specifications

Specifications	RPB Series
Input Voltage	24Vac or 24Vdc
Consumption	5VA
BACnet	BACnet® MS/TP @ 9600, 19200, 38400, 57600, 76800 or 115200 bps
Communication Connections	24 AWG twisted-shield cable (Belden 9841 or equivalent)
Electrical Connections	0.8 mm ² [18 AWG] minimum
Operational Temperature	0°C to 50°C [32°F to 122°F]
Storage Temperature	-30°C to 50°C [-22°F to 122°F]
Relative Humidity	5 - 95% non condensed
Weight	0.2 kg [0.4 lb]
Dimensions A = 3.18" / 81 mm B = 4.93" / 125 mm C = 2.27" / 58 mm	

Connections and Configurations

Please note that all jumper settings must also be set to the same value through BACnet.



LEDs

Power

On = Input voltage normal
 Off = No power

Status

Flashing = Normal operation (watchdog)

RX/TX (BACnet)

Flashing = Receiving (RX) and/or transmitting (TX) data.

Network Settings



CAUTION: Connect the device to a secure network with a strong firewall protection, in order to prevent unauthorized access to the system.

All settings for network management can be made through the local web page of the router.

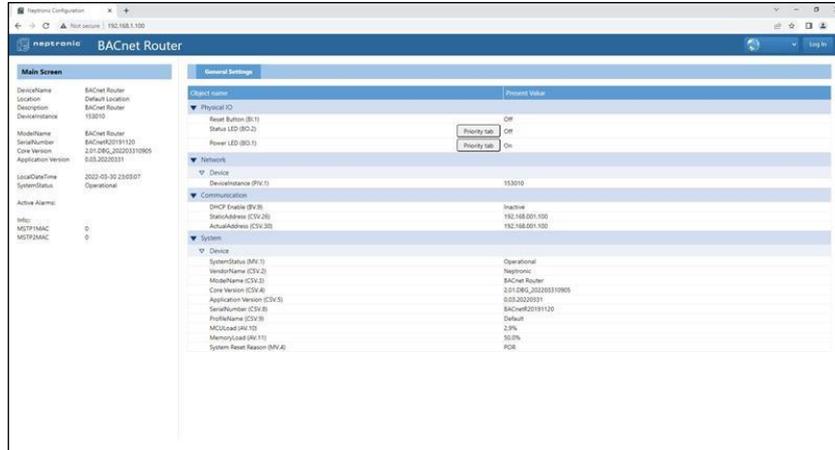
The default IP address of the router is **192.168.1.100**.

- If the newly set address is lost or the currently assigned IP address of the device cannot be remembered, reset the router using the push button on the top board.

Web Page Configuration

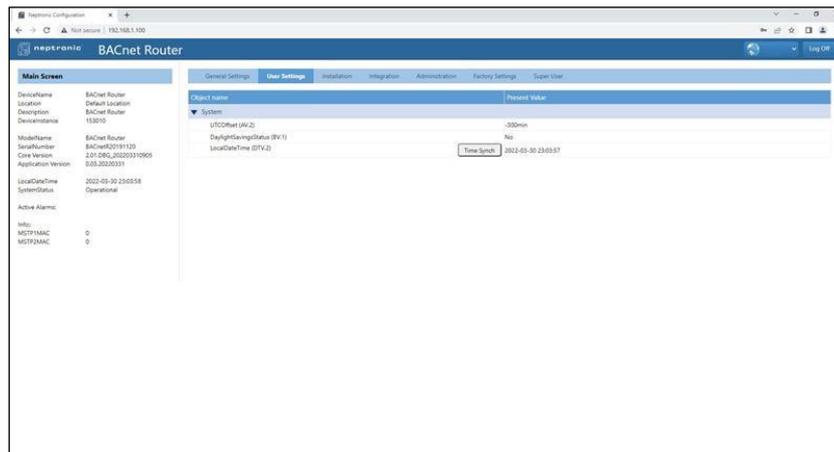
Using the currently assigned IP address, load the local web page.

- Using the Login button, access the Login screen and enter the password **8432** to access all of the properties of the module.
- Under the **General Settings** tab, information about the Physical IO, Network, Communication and System can be accessed.



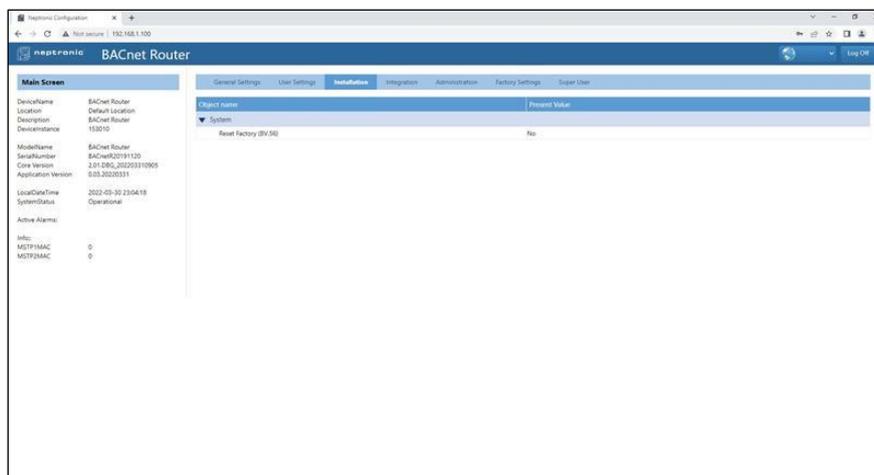
User Settings

Under the **User** tab, information about the System can be accessed.



Installation

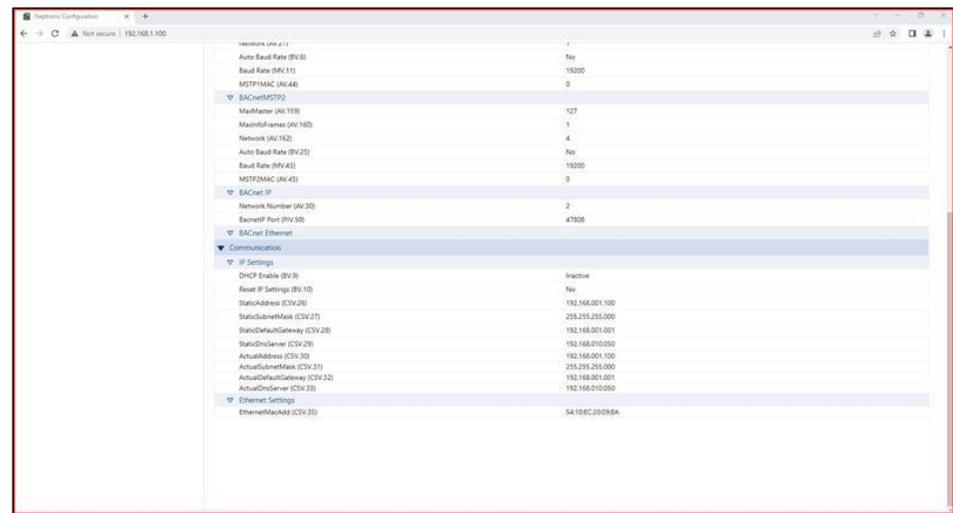
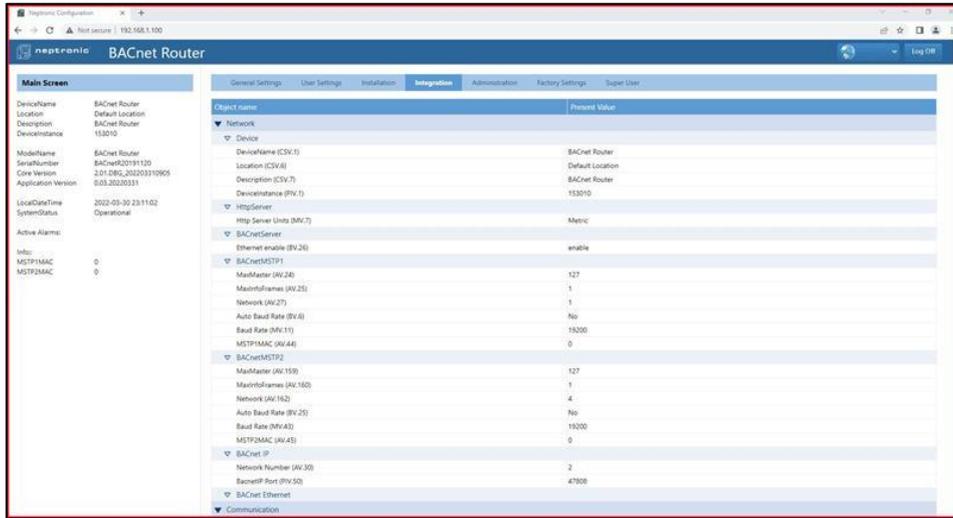
Under the **Installation** tab, information about the Reset Factory can be accessed.





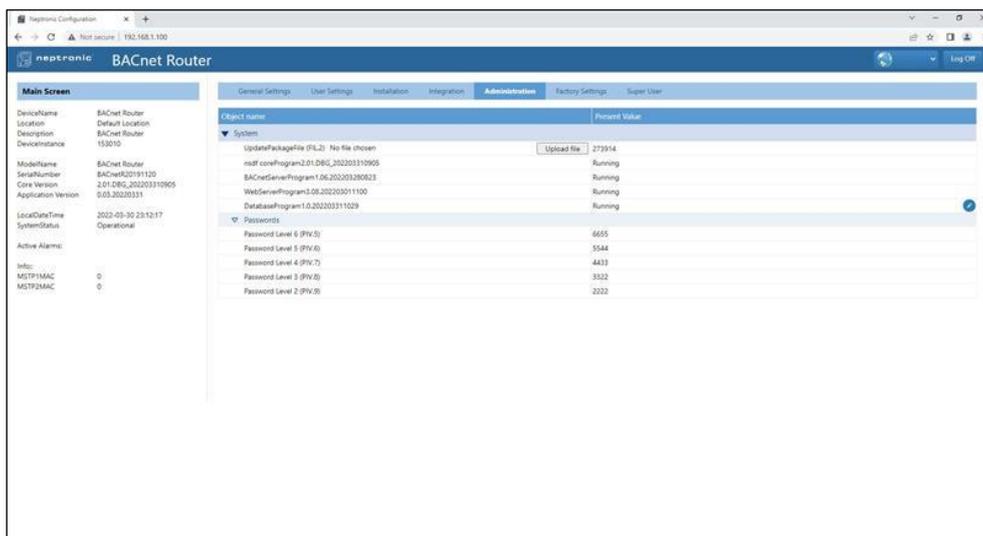
Integration

Under the **Integration** tab, information about all the network settings can be accessed.



Administration

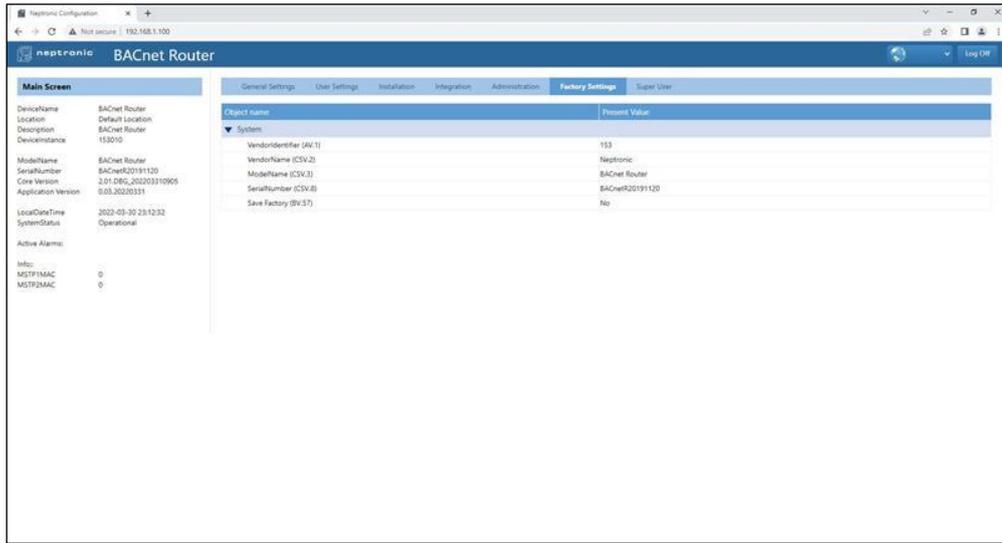
Under the **Administration** tab, information about the System and Passwords can be accessed.





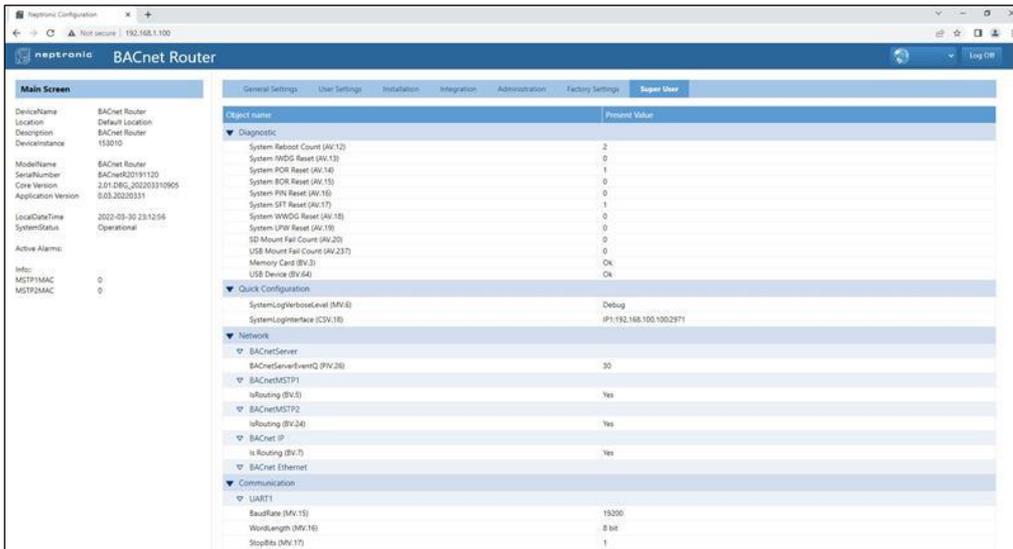
Factory Settings

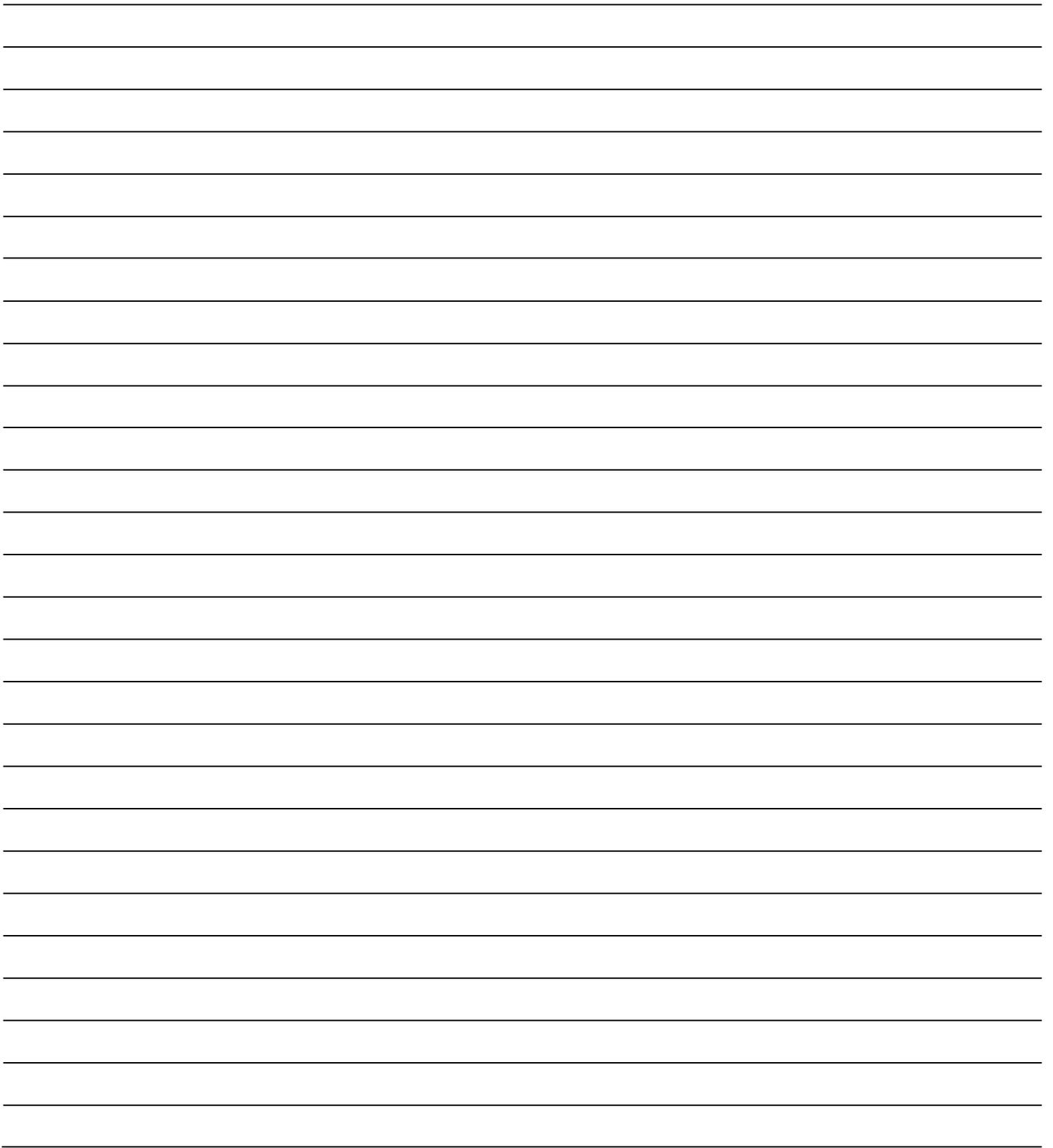
Under the **Factory Settings** tab, information about the Vendor and Model can be accessed.



Super User

Under the **Super User** tab, information about the Diagnostic, Quick Configuration, Network and Communication settings can be accessed.







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