

Selectronix, Inc.
16419 199th Court Northeast
Woodinville, Washington 98077-5401
(425) 788-2979

SLC4060_IntegralMSTPOption.docx

Rev 10/23/23

This document describes the Optional integrated and isolated BACnet MSTP of our latest SLC4060 Process Gateway (PGW)

Features and Settings

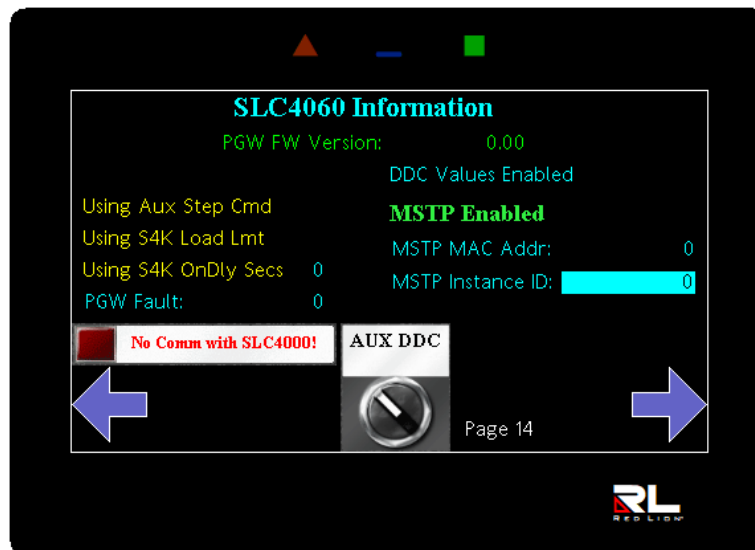
Adds an optional BACnet MSTP interface

- **Electrically isolated MSTP interface** so connections do not create ground loops.

- **Supported baud rates**

Supported Baud Rates	SW1-7	SW1-8
9600	OFF	OFF
19200	OFF	ON
38400	ON	OFF
76800	ON	ON

- **Instance ID** is set using the touchscreen on page titled “SLC4060 Information



- MAC address using SLC4060 DIP SW2 and displayed on touchscreen.
- Field updates using a micro-USB cable and laptop
 - Update mode: Set SW2-1 to ON
 - Normal mode: Set SW2-1 to OFF

J1 Connector - SLCnet

SLCnet is the Selectronix communication network that connects the SLC4000 units, SLC4075, TouchScreen gateway, and the SLC4060, Process Gateway.

J2 Connector – BACnet MSTP

Pin 1 Left Isolated Circuit Common	Pin 2 Center	Pin 3 Right
Gnd	Data+ A+	Data - B-

J4 Connector – Bootloader

Use a micro USB cable to connect to a host PC or laptop computer

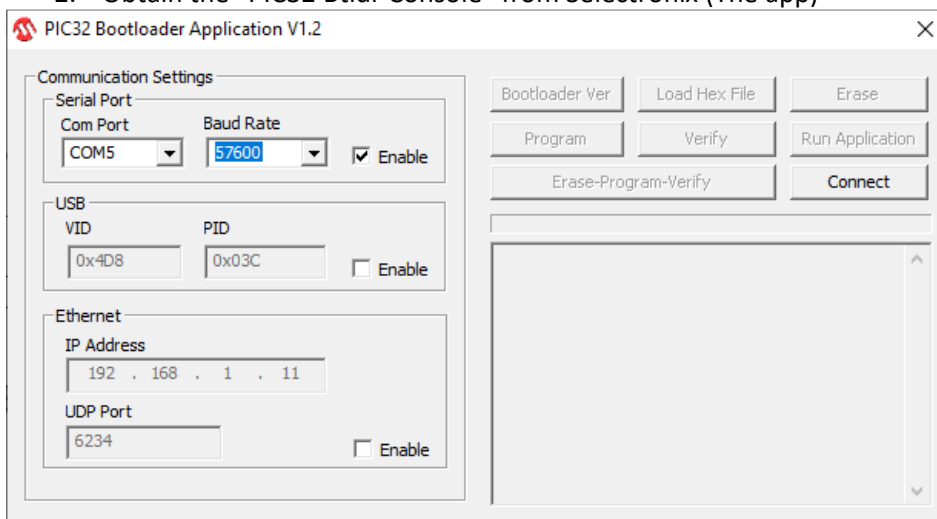
E1 Through E6 Shorting Plug Jumpers

Jumper Setting	Description
E1-E2	Enable MSTP Power
E2-E3	Disable MSTP Power
E4-E5	Enable MSTP End-of-line Termination
E5-E6	Disable MSTP End-of-line Termination

Bold items are the default for the -MSTP model

Bootloader Firmware Update

1. Obtain the firmware file (SLC4060***.hex) from Selectronix
2. Obtain the “PIC32 Btldr Console” from Selectronix (The app)



3. With the power to the SLC4060 OFF
4. Connect a micro-USB cable to J3 and a Windows laptop or PC.
5. Set SW2-1 to ON for bootloader mode.
6. Turn power ON to the SLC4060
7. See the Status LED flash green and red rapidly indicating the bootloader mode.
8. On the app, set the Com Port to the port created by the new USB connection.

- a. You might have to use Device Manager to see the COM port assignments for the new USB connection.
- b. Connect and re-connect the USB cable to see the assigned port.

9. Set the Baud Rate to 57600

10. <Connect>
 - a. See successful connection
11. <Load Hex File>
 - a. Load the new firmware file
12. <Erase-Program-Verify>
 - a. See successful status
13. Turn power OFF to the SLC4060
14. Set SW2-1 to OFF
15. Power up the SLC4060
16. Verify the firmware has been updated displayed on the touchscreen on line 2 of the SLC4060 Information page..

Ordering Information

- **PGW with BACnet MSTP**
 - **Stand-alone part number: SLC4060-MSTP**
 - **Bundle part number SLC4099-n-MSTP**

Where n is 4, 7, 04 10" touchscreen

Reference Information

- SLC4060InstallationAndOperatingManual.pdf
- SLC4075InstallationAndOperatingManual.pdf
- SLC4075TechNote209_QuickRefDatapointsAndGPDIDeCodeTable.pdf

Questions?

Contact Selectronix:

- Selectronix.us/Support for additional documents
- techsupport@selectronix.us
- (425) 788-2979