

DOC206908-1

HD Serial Port Bridge

User Manual

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Revision History

| Rev | Created | | Approved | | Description |
|-----|------------|----------|------------|---------------|---------------|
| | Date | By | Date | By | |
| 1 | 12.09.2018 | Wei Jing | 13.09.2018 | Morten Mæland | First version |
| 2 | | | | | |
| 3 | | | | | |

1 Introduction

Serial port bridge is an additional application/service, which is used to pair two serial ports. The bridge redirects the data between two existing serial port.

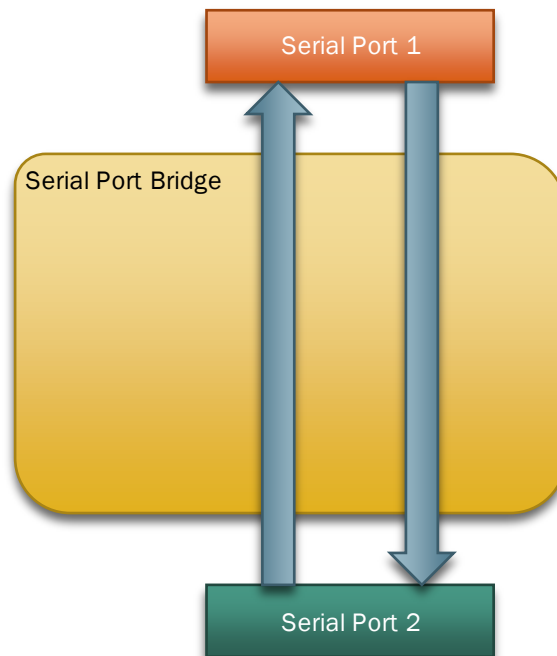


Figure 1-1 Serial Port Bridge Structure

2 Installation

2.1 Install

Serial Port Bridge comes with an installation package for Windows, which automate the installation process.

Simply assign installation directory and press "Next", the installation goes through automatically.

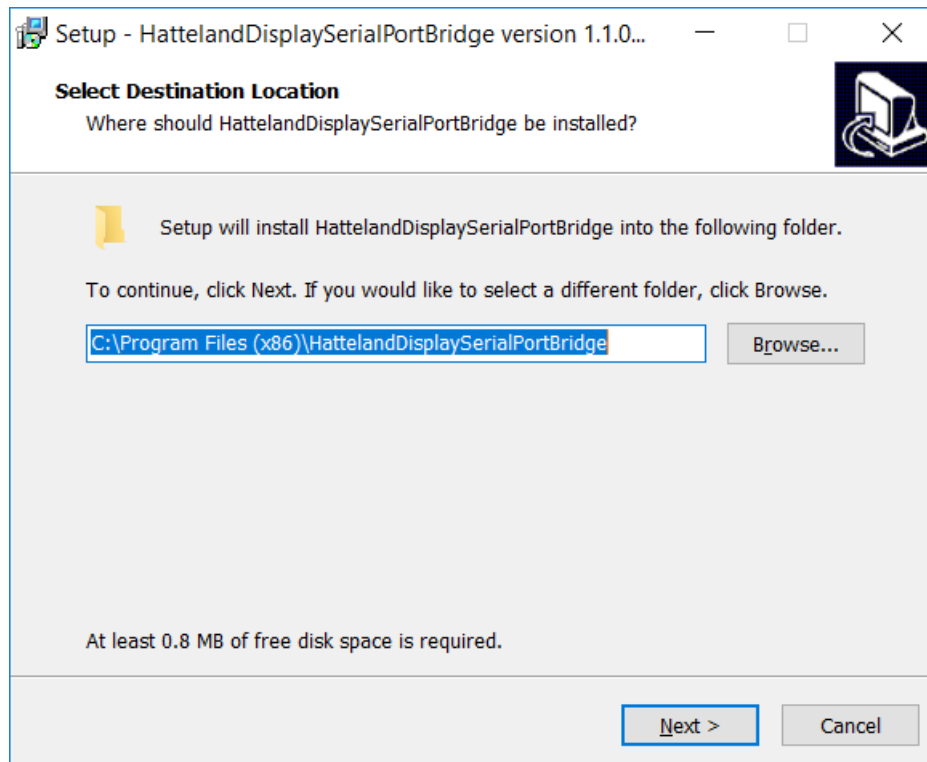


Figure 2-1 Serial Port Bridge Installation

2.2 Uninstall

Before uninstalling, it is required to stop the running application of serial port bridge in task manager.

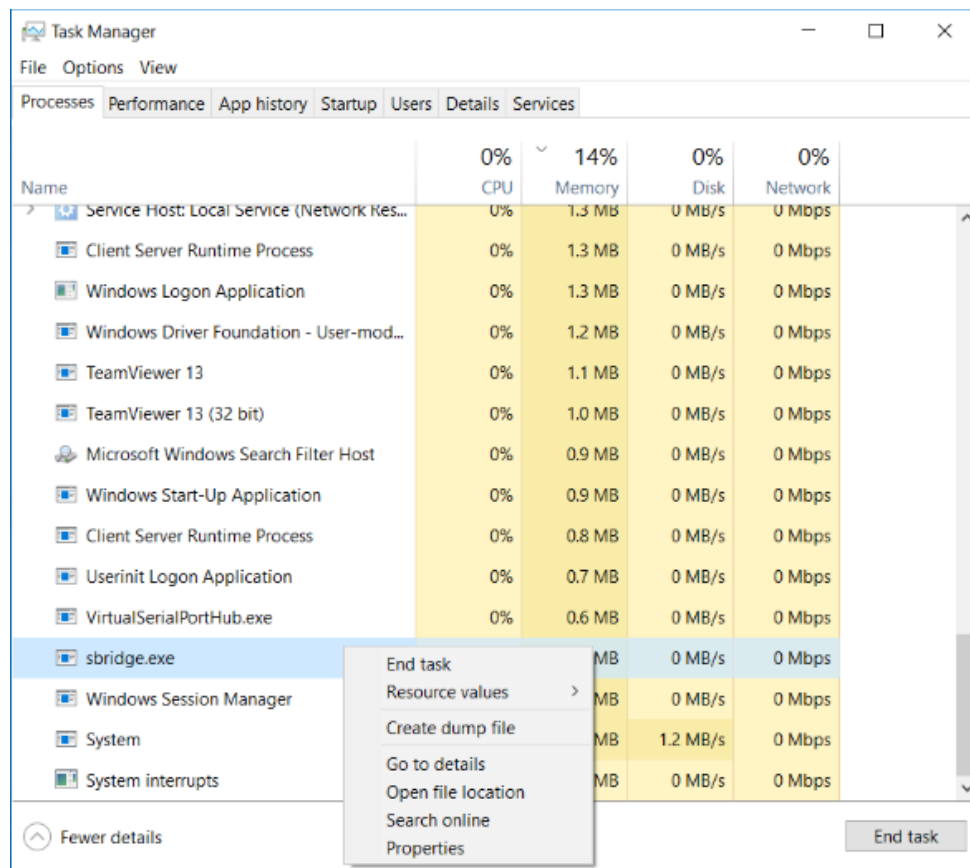


Figure 2-2 Serial Port Stop Service

Go to "Program and Feature" and find the item for "Serial Port Bridge", press "Uninstall". A notification window pops up to confirm the uninstallation process.

3 Configuration

Serial Port Bridge uses a config file "sbridge.rc" under installed directory, to configure the master/slave ports and baudrate for paired ports.

The content of sbridge.rc is shown as following:

```
com3  
com7  
b 9600
```

- First two lines indicates the COM ports which are supposed bridged together
- Last line indicates the baudrate setting for both ports

Supported Baudrate

50, 75, 110, 134, 150, 200, 300, 600, 1200, 1800, 2400, 4800,
9600, 19200, 38400, 57600, 115200, 230400, 460800, 500000,
576000, 921600, 1000000, 1152000, 1500000, 2000000, 2500000,
3000000, 3500000, 4000000

After saving any changes in config.csv, a restart of PC is required to apply the new settings.

If the assigned physical port id doesn't exist or have been occupied by other application during startup, the instance of sbridge will not start.

4 Known Limitation

The serial port bridge is designed to bridge two existing serial ports. There are some known limitations:

1. Serial Port bridge is a software bridge, the response time may be affected by high CPU usage by other applications.