

# Free Virtual Serial Ports Overview



## [Free Virtual Serial Ports screenshots](#)

Free Virtual Serial Ports is a Windows user-mode application, which allows you to **create software virtual serial ports and emulate physical serial ports** behavior. It operates exclusively in user-mode, therefore it is more stable and uses less memory, processor and operating system resources than any competitive products. It behaves exactly like hardware serial port with full serial port functionality, providing baud-rate emulation, configuration of data bits, parity (odd, even, mark, space) and stop bits, XON/XOFF software and hardware flow control, etc.

Our free virtual com port drivers allow you to emulate custom Plug-and-Play (PnP) serial ports and I/O ports interfaced by 16550 UART: COM1, COM2, COM3, COM4... COM255 correctly registered and visible in Windows device manager under standard Ports (COM & LPT) device class.

Our free com port null-modem emulator allows you to create virtual null-modem cable in order to emulate hardware null-modem cable with DB-25 or DE-9 connectors and Serial (Modem) control lines: Transmitted Data TxD, Received Data RxD, Data Terminal Ready DTR, Carrier Detect DCD, Data Set Ready DSR, Ring Indicator RI, Request To Send RTS, Clear To Send CTS. Virtual serial lines behaves exactly as real hardware serial lines.

Freeware virtual serial ports may be applicable as some kind of serial port redirector/COM port redirector which uses network interface to create and pair virtual serial communication ports on the same PC. It allows two legacy serial applications to communicate using created ports instead of using named pipes or any other modern inter-process communication mechanisms. Unlimited number of virtual COM port pairs may be created and used by COM port based applications to establish interconnection.

Virtual comm ports may be even more suitable for several serial applications than a HW serial ports. Virtual serial ports connection is much faster than physical null-modem cable connection and it depends only on your CPU, RAM and overall system performance.

### **Free Virtual Serial Ports OS support:**

Free Virtual Serial Ports supports Windows desktop and server platforms starting from Windows Vista (x86 and x64), including Windows 8/8.1 32-bit and 64-bit operating systems.

### [Features](#)

### [Supported Serial Devices](#)

### [Usage Scenarios](#)

Download this Free Virtual Serial Ports kit and start to emulate Serial Port communications in just few seconds!

### ***Free Virtual Serial Port Advantages***

1. Reliable. It uses only user mode API calls.
2. Flexible. It supports different serial port bridging types.
3. Compatible. It works with most serial port applications.
4. Transparent. It's compatible with most serial port sniffers.
5. FREE. It costs you NOTHING!