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Subject: Accessing Devicemaster DB9M 4-port without ethernet

Posted by [rcfawjr](#) on Wed, 13 Jun 2018 19:07:39 GMT

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I am looking for someone to help me out with a problem I am having with Devicemaster. I am trying to access the Control Devicemaster DB9M 4-Port through a 9 pin connection that connects from one of the ports on the devicemaster to the 10101 port on the back of the PC. This is the only way I have to access the DeviceMaster. No Ethernet or any of the other software. Now I am not a networking fan, but I know a little bit. I barley passed it in school. Is there anyway to access the settings on the Control Devicemaster DB9M 4-Port through a 9 pin connection only. The IT guy I work with did it in 4 hours.

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Subject: Re: Accessing Devicemaster DB9M 4-port without ethernet

Posted by [Kurt](#) on Wed, 13 Jun 2018 19:26:59 GMT

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Hi,

You can do it. You'll need to go into the Windows Device Manager. Go to Ports (Com LPT) and determine which Com port is being used for serial communications.

Once you've noted the Com port, open a terminal program that can access Com Ports and follow the instructions in the link below to Communicate to the Device Master when it is in the Redboot prompt.

[http://downloads.comtrol.com/contribs/devicemaster/help\\_file/s/how\\_to\\_open\\_a\\_console\\_serial\\_port\\_on\\_the\\_devicemaster.pdf](http://downloads.comtrol.com/contribs/devicemaster/help_file/s/how_to_open_a_console_serial_port_on_the_devicemaster.pdf)

I hope that helps. I highly recommend connecting to a network, then configure using the DeviceMaster webpage.

Kurt

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Subject: Re: Accessing Devicemaster DB9M 4-port without ethernet

Posted by [rcfawjr](#) on Wed, 13 Jun 2018 19:51:25 GMT

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Is there away of doing it through a ethernet cable?

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Subject: Re: Accessing Devicemaster DB9M 4-port without ethernet

Posted by [Kurt](#) on Wed, 13 Jun 2018 19:55:05 GMT

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Hi,

I thought you were using a db9 serial cable. Sorry.

Your computer or other serial device would have to have a RJ45 connector, similar to what is found on an ethernet cable.

A regular Ethernet Cable is wired differently than a Serial RJ45 cable.

You'll need to fabricate a serial RJ45 cable to go from RJ45 serial port to another RJ45 serial port.

Note that RJ45 serial and RJ45 Ethernet are totally different and are not compatible (plugging serial RJ 45 into ethernet RJ 45)

Kurt

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Subject: Re: Accessing Devicemaster DB9M 4-port without ethernet

Posted by [Kurt](#) on Wed, 13 Jun 2018 20:31:49 GMT

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Hi,

Just as an FYI, here is a cable guide in case you need to construct your own serial cable.

[http://downloads.comtrol.com/contribs/devicemaster/help\\_files/Cable%20Guide.pdf](http://downloads.comtrol.com/contribs/devicemaster/help_files/Cable%20Guide.pdf)

If your computer has a db9 serial connector, there is a db9 to RJ45 adapter.

Please see this link:

<https://comtrol.com/product-accessories/rocketport-accessories/db9f-to-rj45-adapter-kit-4-piece>

For basic info on configuration and installation, I would highly recommend going through this document.

[http://downloads.comtrol.com/dev\\_mstr/rts/docs/dev\\_mstr\\_install\\_guide.pdf](http://downloads.comtrol.com/dev_mstr/rts/docs/dev_mstr_install_guide.pdf)

Kurt

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Subject: Re: Accessing Devicemaster DB9M 4-port without ethernet

Posted by [rcfawjr](#) on Thu, 14 Jun 2018 12:11:31 GMT

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I am using a DB9 cable. I have an HP PC with windows 7. I have know clue on how to do it

through the DB9 cable. The guy that is training me wants me to figure it out for myself. He did it in 4 hours. I don't know where to start. I don't even know what program to use. I have putty and command line. This is what he has said so far "Reaching the RedBoot prompt during its boot sequence is exactly what I had to do. The trick was figuring out the best method Ethernet or Serial Port. In yesterday's situation, the Ethernet method of using a crossover cable failed because its current IP Address was unknown. My only option was to find a way to connect via Serial Port. Serial Ports are an outdated form of technology and require a specific type of connector to communicate with PCs.

Most technician's use a USB-to-SerialPort adapter, or an old computer with a Serial Port already included.

Luckily, most of HP Desktops have an integrated Serial Port on them I was able to use my VF Desktop for it. Again, you were on the right path when you mentioned COM ports. The Windows OS defines a COM Port as either a physical or virtual communications device. Technically, you can manually assign COM ports through the Windows Device Manager when a task requires it. On the HP Desktops, the integrated Serial Port on its motherboard automatically assumes the position of COM1." I need help bad and he want help me.

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Subject: Re: Accessing Devicemaster DB9M 4-port without ethernet  
Posted by Kurt on Thu, 14 Jun 2018 12:26:11 GMT

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Hi,

I'll resend this link-

[http://downloads.comtrol.com/contribs/devicemaster/help\\_file/s/how\\_to\\_open\\_a\\_console\\_serial\\_port\\_on\\_the\\_devicemaster.pdf](http://downloads.comtrol.com/contribs/devicemaster/help_file/s/how_to_open_a_console_serial_port_on_the_devicemaster.pdf)

The above link is what you need to do to get into the Redboot prompt. Following the above instructions walks you through the process step by step.

Putty probably won't be the best application for opening Com Ports. It tends to favor IP Address and socket number.

Here is a utility:

[http://downloads.comtrol.com/utilities/windows/comtrol\\_utility/Comtrol\\_Utility\\_Package\\_v4.11.msi](http://downloads.comtrol.com/utilities/windows/comtrol_utility/Comtrol_Utility_Package_v4.11.msi)

The program in the above utility you want to use is a program called Test Terminal (in above utility). It can open Com Ports.

Here are the instructions to use the Utility:

[http://downloads.comtrol.com/utilities/windows/comtrol\\_utility/doc/PortMon2\\_WCom2\\_Guide.pdf](http://downloads.comtrol.com/utilities/windows/comtrol_utility/doc/PortMon2_WCom2_Guide.pdf)

Take some time and read through the instructions listed above. If you have any questions, let me

know and I will clarify if necessary.

Kurt

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Subject: Re: Accessing Devicemaster DB9M 4-port without ethernet  
Posted by [Kurt](#) on Thu, 14 Jun 2018 15:45:51 GMT

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Hi,

Here's another thing to be careful about. You will need a "null-modem" serial cable rather than a "Straight-through" serial cable. Null modem is used when going from DTE-DTE or DCE-DCE type equipment. A serial cable (straight through) is for DTE-DCE.

Page 7 of this document goes into more details:

[http://downloads.comtrol.com/contribs/devicemaster/help\\_files/Cable%20Guide.pdf](http://downloads.comtrol.com/contribs/devicemaster/help_files/Cable%20Guide.pdf)

Kurt

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Subject: Re: Accessing Devicemaster DB9M 4-port without ethernet  
Posted by [rcfawjr](#) on Thu, 14 Jun 2018 17:15:39 GMT

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He did it using the cable DB9. What I am trying to do is get access to its settings to find the IP Address through the DB9 cable. He said going through the ethernet did not work because he did not know the IP Address.

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Subject: Re: Accessing Devicemaster DB9M 4-port without ethernet  
Posted by [Kurt](#) on Thu, 14 Jun 2018 17:20:13 GMT

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Hi,

Once you get into the Redboot command prompt via console port (RS-232 db9 cable), you can get and set the IP Address by typing 'IP'

'IP' will give you the IP Address

Entering 'IP 192.168.250.250 255.255.0.0 0.0.0.0'  
will set the network addresses to the default.

The format is 'IP <IP\_Address> <Subnet Mask> <Gateway>

Hope that helps,

Kurt