

Step	Procedure	Description
❑ Step 7	Follow the prompts of the Install Wizard to quickly install the device drivers for your new SDS.	<i>The install process is explained in detail in the SDS User's Manual, which you can find on the SDS installation CD-ROM, or at Quatech's website: http://www.quatech.com.</i>
❑ Step 8	Repeat steps 4-7 on any other computers that will use the COM ports on your new SDS.	<i>Each serial port on the SDS is independently addressable over the network.</i>
❑ Step 9	You can now use the SDS serial ports just like you would use a built-in serial port.	<i>See the SDS User's Manual for details on many other modes of operation.</i>

Configuring the SDS using a Web interface

If you wish to make changes to the configuration at a future time, simply enter the IP address of the Serial Device Server into the address bar of your computer's Web browser.



High Performance Serial Device Servers



Quick Start Guide

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Feedback	Quatech, Inc. encourages and appreciates feedback concerning this document. Please send any written comments to the Technical Support department at the address listed on the cover page of this manual.

Installing the Windows device drivers

Note: You must install these drivers on every computer that accesses the device(s) attached to the SDS using a Windows “COM” port.

The Quatech Serial Device Server Install Wizard helps you to add new SDS hardware to your system’s configuration and takes into account a variety of circumstances. The procedure below covers only the most common scenarios. Many other scenarios are covered in the SDS User’s Manual.

Step	Procedure	Description
❑ Step 1	Using a CAT5 cable, connect the Ethernet port on your SDS to one of the following: <ul style="list-style-type: none"> ➤ Desired installation location, ➤ Hub on your local subnet, or ➤ Network Interface Connection (NIC) on your computer using an Ethernet crossover patch cable. 	<i>If you cannot attach the SDS to the desired installation site, temporarily attach it to the local hub or your computer’s NIC for configuration purposes.</i> Note: If you install the SDS on a remote subnet, refer to the User Manual to continue the installation. It is available both on the installation CD-ROM and at Quatech’s Web site: http://www.quatech.com .
❑ Step 2	Connect power to the SDS.	<i>Connect the cable attached to the power source to the SDS. Use the unattached power cable to connect the power source to a power outlet.</i>
❑ Step 3	Confirm that the SDS is ready to proceed.	<i>The Status, Power, and Link LEDs should all glow steadily after a moment.</i>
❑ Step 4	Insert the Quatech SDS installation CD-ROM into your CD-ROM drive.	<i>This is the CD that shipped with the SDS.</i>
❑ Step 5	The CD-ROM should launch automatically. If the CD-ROM does not launch automatically, select Start – Run from the Taskbar, browse to the CD-ROM drive, and select the ThinQ.exe file. Click “OK” in the Run window to launch the installation.	<i>The Quatech Serial Device screen displays, followed by the Main Menu.</i>
❑ Step 6	From the Main Menu, select Install SDS. Note: Every computer needing access to a serial device attached to an SDS must have the SDS device drivers installed.	<i>The Quatech Serial Device Server Install Wizard launches.</i> <i>Hint: Select Read Manual from the Main Menu to launch the Quatech SDS User’s Manual.</i>

Step	Procedure	Description
❑ Step 4	Insert the Quatech SDS installation CD-ROM into your CD-ROM drive.	<i>If the CD-ROM does not launch automatically, select Start – Run from the Task bar, browse to the CD-ROM drive and select the ThinQ.exe file. Click “OK” in the Run window to launch the installation.</i>
❑ Step 5	From the Main Menu, select Install SDS. Click the Next button to search for Serial Device Servers.	
❑ Step 6	Locate your SDS in the search box (by matching up the MAC address on the bottom of the SDS) and make note of its IP address.	
❑ Step 7	Make sure that your SDS and your computer are on the same subnet (normally, the first three parts of the IP address will be the same).	<i>You may need to change your computer’s IP address if no DHCP server is present.</i>
❑ Step 8	Open your Web browser and type the IP address for the SDS in the Web browser’s URL (address) field.	<i>The Quatech Device Server Home page displays.</i>
❑ Step 9	Click on Network in the selection bar.	
❑ Step 10	Select Infrastructure as the Access Mode.	
❑ Step 11	Configure the Device Server’s SSID to match the SSID of the Access Point (AP).	<i>To communicate wirelessly, the AP and the SDS must both use the same SSID. If you don’t know the proper SSID, check with your system administrator.</i> <i>Note: The Channel setting is only used in Ad hoc mode. In Infrastructure mode, the AP determines the channel.</i>
❑ Step 12	Press Submit to configure the SDS with your settings.	<i>The IP Address Update successful screen displays.</i>
❑ Step 13	Reset the SDS.	<i>Click on the link to perform a remote reset, and then press Reset.</i>
❑ Step 14	Remove the Ethernet cable from the SDS during the reset process.	<i>Be sure to remove the Ethernet cable before the Status LED lights up.</i>
❑ Step 15	Leaving the Ethernet port unconnected, continue with Installing the Windows device drivers, below.	

Getting started

Congratulations on purchasing your new Quatech Serial Device Server (SDS)!

Your SDS lets you connect any serial device that uses serial communications protocols to the Internet or to your Intranet network. It provides industry-leading hardware and user-friendly software, to make connecting your serial devices to an Ethernet network a surprisingly simple process.

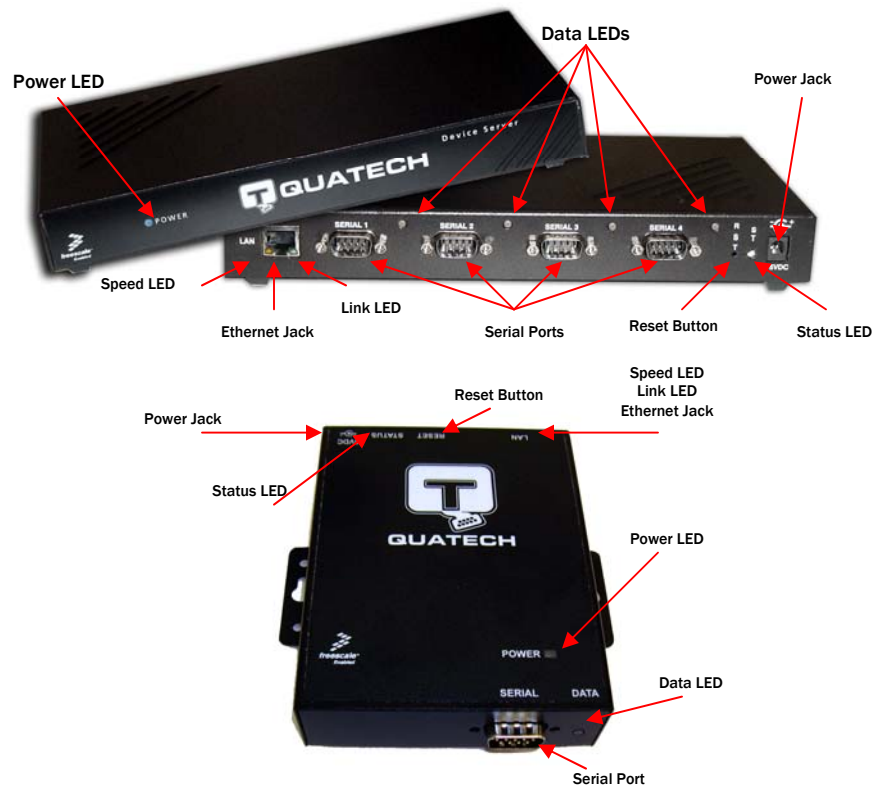
For the latest SDS drivers and updates, as well on online technical support, be sure to check Quatech’s Web site: <http://www.quatech.com>.

Use this Quick Start Guide to quickly get your new SDS up and running. More in-depth information is provided in the User’s Manual, which is available as a PDF file on both the installation CD-ROM and at Quatech’s Web site: <http://www.quatech.com>.

Unpacking your SDS

Step	Procedure	Description
❑ Step 1	Remove the SDS from the box.	
❑ Step 2	Remove all packing material from the SDS.	<i>Save the packaging in case you ever need to store the unit or return it to Quatech for service.</i>
❑ Step 3	Check the contents of the package to make sure you have received everything listed below: <ul style="list-style-type: none"> ➤ SDS, ➤ Power cable, ➤ Power source, ➤ Ethernet crossover cable, ➤ Loopback connector, ➤ CD-ROM containing the SDS device drivers and configuration software ➤ QuickStart guide 	<i>The complete SDS package ships in a single box.</i>
❑ Step 4	Check the SDS and accessories for shipping damage.	<i>If anything is missing or damaged, contact your sales representative.</i>

Identifying parts



The SDS has several indicator LEDs:

- ⇒ Power (blue) – indicates when the SDS has line power
- ⇒ Data (red/green) – indicates serial port data activity by blinking red for RS-232 or green for RS-422/485
- ⇒ Status (green) - indicates when the embedded processor is up and running.
- ⇒ Link (green) - indicates when a network link has been established; located in the Ethernet connector
- ⇒ Speed (amber) – differentiates between 100Base-T (glowing) and 10Base-T (off) Ethernet connection speeds; located in the Ethernet connector

The DB-9 serial port(s) connect to your serial device(s) and can support RS-232, RS-422 or RS-485 connections. They are located either to the left, to either side of the Ethernet port, or on the front panel, depending on the model.

The RJ-45 Ethernet jack connects the SDS to the Internet or to your Intranet. It has two small status LEDs: Link (green) and Speed (amber).

The power jack should be connected to a +5V power source, as provided with the SDS.

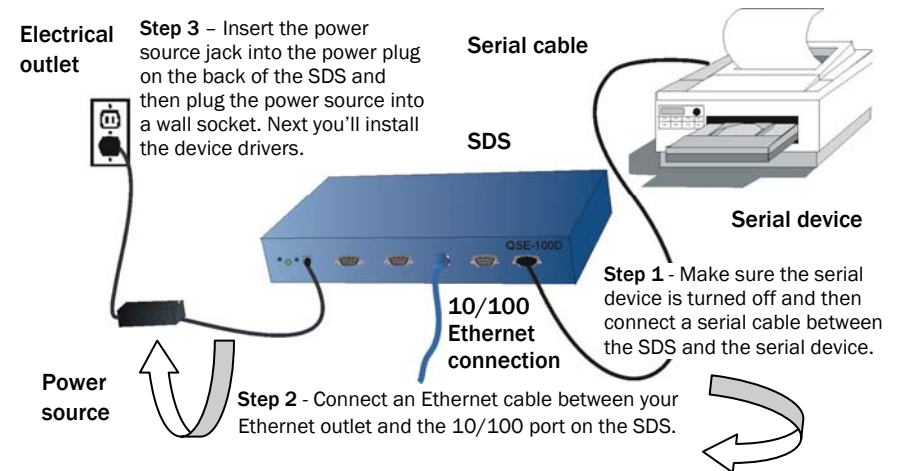
The Reset button puts the SDS through a reset cycle and can also restore the SDS to the factory default settings.

The information label (not shown) is on the bottom of the SDS. It includes the MAC address, serial number, certifications and connector pinout diagram.

Making connections

You can easily connect each serial port on your SDS to any serial device that you want to make accessible to an Ethernet network.

Figure 1 - Connecting an SDS to a serial device



Enabling wireless device servers

Note: To install an SDS using a wired Ethernet connection, skip to the “Installing the Windows device drivers” section.

Quatech’s wireless Device Servers need to have a wireless network connection established before they can be configured for use. To enable the wireless connection, follow the steps below.

Step	Procedure	Description
□ Step 1	Connect the Ethernet port on your SDS either to the NIC port on your computer or to a switch/hub.	Use a CAT5 or better Ethernet cable to attach the SDS.
□ Step 2	Connect power to the SDS.	Connect the cable attached to the power source to the SDS. Use the unattached power cable to connect the power source to a power outlet.
□ Step 3	Confirm that the SDS is ready to proceed.	The Status, Power and Link LEDs should all glow steadily after a moment.