

SD4008

Quick Start Guide

This Quick Start walks you through installing and operating your SD4008 console server with V2.2 or later firmware. Refer to *User Manual* on the CDROM for more detail.

1

Check kit contents



SD4008
device server



2x UTP cables & DB9F-RJ45S
straight and cross-over



Quick Start &
CD-ROM

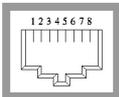


5VDC IEC power
supply and cable

2

Install the console server

- Plug the power supply into the AC mains and connect the DC power cable to the 5VDC power socket on the SD4008
- Connect your LAN network to the SD4008 LAN port and connect your serial device ports to the SD4008 serial PORTS 1-8. The LOCAL serial port can also now be connected to a modem for Out-of-Band access.



Pin	RS422/485 Signal Description	RS232 Signal Description
1	-	Request To Send
2	Receive Data +	Data Set Ready
3	-	Data Carrier Detect
4	Receive Data -	Receive Data
5	Transmit Data +	Transmit Data
6	Ground	Ground
7	Transmit Data -	Data Terminal Ready
8	-	Clear To Send

3

Set up Console Manager

The SD4008 is configured with a default IP Address 192.168.0.1 (Subnet Mask 255.255.255.0). So you can easily access it with any web browser from any computer that is LAN connected to the SD4008:

- Enter **https://192.168.0.1** Post Version 2.2 the SD4008 ships by default with HTTPS access to the Management Console enabled (and HTTP access disabled)

- A **Welcome** screen listing the basic configuration steps will be displayed. Log in using the default system user name *root* and the default password is *default*

Note: The LAN connected computer must be configured with an IP address in the same network range (192.168.0.xxx) as the SD4008. If this is not convenient, you can use the *ARP-Ping* command to reset the SD4008 IP address. Also the SD4008 has its DHCP client enabled by default, so it will automatically accept any network IP address assigned by any DHCP server on your network – and will then respond at both 192.168.0.1 and its DHCP address.

- Go to **System: Administration** then enter and confirm a new **System Password** and click **Apply**

The screenshot shows the 'System: Administration' configuration page. On the left is a navigation menu with categories: Serial & Network, Alerts & Logging, and System. The main area contains the following fields:

- System Name:** cm4114 (with a note: 'An ID for this device.')
- System Description:** lab data centre (with a note: 'The physical location of this device.')
- System Password:** [masked] (with a note: 'The secret used to gain administration access to this device.')
- Confirm System Password:** [masked] (with a note: 'Re-enter the above password for confirmation.')

At the bottom, there is an 'Apply' button and a 'Reboot' checkbox.

- You can now assign your SD4008 a new static IP address or permanently enable DHCP. Select **System: IP** menu then check **dhcp** or **static** for the **Configuration Method**

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Enable serial & network console access

- Select **Serial & Network: Serial Port** and you will see the current labels, modes, and RS232/422/485 protocol options that are currently set up for the serial port. By default the serial port is set in Console Server mode (refer the *User Manual* if other modes are required). For the port to be reconfigured click **Edit**
- Configure the **Common Settings** (Baud Rate, Parity, Data Bits, Stop Bits and Flow Control) for the serial port to match those of the device being controlled. Then select the Console Server protocols (Telnet, SSH, TCP and RFC2217) that are to be used for the data connection to that port. A **Logging Level** may also be set to specifies the level of information to be logged and monitored for each Serial Port access. Click **Apply**
- To enable Users to have SDT (RPD/VNC/Telnet/SSH/HTTP/X etc) access to LAN connected computers or infrastructure appliances (*Hosts*), select **Serial & Network: Network Hosts** and click **Add Host**

The screenshot shows the 'Serial & Network: Network Hosts' configuration page. On the left is a navigation menu with categories: Serial & Network, Alerts & Logging, and System. The main area contains the following fields:

- IP Address/DNS Name:** [empty] (with a note: 'The hosts IP Address or DNS name.')
- Description:** [empty] (with a note: 'A brief description of the host.')
- Permitted Services:** A list of services with checkboxes: 22/tcp (ssh) - 0, 23/tcp (telnet) - 0, 80/tcp (http) - 0, 443/tcp (https) - 0, 1494/tcp (ica) - 0, 3389/tcp (rdp) - 0, 5900/tcp (vnc) - 0. There is a 'Remove' button.

Below the services list, there is a note: '*Access to this service will be logged.' and a radio button for 'TCP'. Below that is a dropdown menu for 'Port' with the value 'level 0 - Disabled' and an 'Add' button. At the bottom, there is a note: 'The TCP services available from this host.'

- Enter local **IP address/ DNS Name** of the computer/appliance and edit the **Permitted Services** (or TCP/UDP port numbers) that are authorized to be used in controlling this host. Only these *permitted services* will be forwarded through by SDT to the Host. All other services (TCP/UDP ports) will be blocked. You may also specify The level of information to be logged and monitored for each Host access

5

Set up Users

- Select **Serial & Network: Users & Groups**. Click **Add User** and add Usernames and Passwords for each new user (and which serial and host ports they can access).
- Nominate **Accessible Hosts** and **Accessible Ports** to specify which serial port and which LAN connected host the User is to have access to. You may also specify if the User is to be a member of a group. By default new Users will be in the *user* group (refer the *User Manual* for details). Click **Apply**

Serial & Network: Users & Groups

Add a New user

Username A unique name for the user.

Description A brief description of the users role.

Group admin (Provides users with unlimited configuration and management privileges)
 users (Provides users with default management privileges)

Password The users authentication secret. Note: A password may not be required if remote authentication is being used.

Confirm Re-enter the users password for confirmation.

Accessible Host(s) No hosts currently configured. Explicitly allow connections to hosts.

Accessible Port(s) Select/Unselect all Ports.

Port 1 Port 2 Port 3 Port 4 Port 5 Port 6 Port 7 Port 8
 Port 9 Port 10 Port 11 Port 12 Port 13 Port 14 Port 15 Port 16

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