

# D400 Substation Gateway

## Quick Start Guide

### Start the D400

The tasks performed to set up the D400 for operation are:

- Task 1: Connect to the D400
- Task 2: Create User Accounts
- Task 3: Change the Root Password
- Task 4: Set the IP Address
- Task 5: Create a Supervisor Password
- Task 6: Access the D400 HMI

In the following procedures, the term “enter” indicates that the menu item number is typed in and then the **Enter** key is pressed.

#### Task 1: Connect to the D400

1. Connect the supplied null modem cable (GE part number 977-0529) to your computer serial communications port, and to the D400 front panel serial communications port.
2. Start a terminal emulation application. For example, Tera Term.
3. From the Windows start menu, select **All Programs > Tera Term folder > Tera Term**.
4. Click the **Serial** option, and click **OK**.
5. On the Tera Term VT window, select the **Setup** menu > **Serial port...** command
6. Select the communications settings and click **OK**:
  - Port: Select the appropriate communication port (for example COM3)
  - Baud rate: 19200
  - Data: 8 bit
  - Parity: none
  - Stop: 1 bit
  - Flow control: none
7. On the Tera Term VT window, select the **Setup** menu > **Terminal...** command.
8. Select the terminal setting: Terminal: VT100, and click **OK**.
9. At the D400 login prompt, type the default username root and default password geroot.

#### Task 2: Create User Accounts

Since you cannot use the root user account to access the D400 remotely, you must create administrator-level user accounts for this purpose. This must be done first when you connect to the D400 front serial communications port and run a terminal session.

To create a new administrator-level user account:

1. At the D400#>> prompt, type **d400cfg** and press **Enter**.
2. Enter **1. Configure Authentication**.
3. Enter **6. Administrator Group Users**.
4. Respond to the on-screen prompts as required to create a new administrator-level user. You may now use this user account to access the D400 remotely through TELNET or SSH.

### Task 3: Change the Root Password

1. At the D400#>> prompt, type **d400cfg** and press **Enter**.
2. Enter **1. Configure Authentication**.
3. Enter **3. Root Administrator Settings**.
4. Enter **1. Change Root Password**.
5. Follow the instructions to enter a new password for the root user.

#### **NOTICE**

Do not share the root user's password and do not forget it; this is crucial information. No method is available to regenerate this password.

### Task 4: Set the IP Address

1. At the D400#>> prompt, type **d400cfg** and press **Enter**.
2. Enter **3. Configure Network Interface**.
3. Enter **1. Net1** (or optionally **2. Net1** or optionally 2 to select **Net2** D400 Network Interface).
4. Enter **2. Static IP Address**.
5. Type the IP address of the D400 and press **Enter**. The default Subnet Mask is 255.255.255.0.
6. Navigate to the main menu and exit.
7. Enter **17. Reboot D400**.  
Result: It takes about two minutes for the reboot to complete.

### Task 5: Create a Supervisor Password

1. At the D400#>> prompt, type **d400cfg** and press **Enter**.
2. Enter **1. Configure Authentication**.
3. Enter **4. HMI Supervisor Settings**.
4. Enter **1. Change HMI Supervisor Password**.
5. Follow the instructions to enter a new password for the root user.

#### **NOTICE**

Do not share the supervisor user's password. The Supervisor user's password can be changed in future if required. This operation can only be performed using root credentials.

### Task 6: Access the D400 HMI

1. Open a Web browser.
2. Enter the IP address (assigned in Task 4) of the D400.  
Result: The Log-In screen appears.
3. Enter your user name as supervisor and the newly created password.
4. Click **Log In**.  
Result: The D400 HMI (Human Machine Interface) appears.

**Note:** Multiple D400 HMI users can be created. Each user can be assigned with different access levels.

## Product Support

If you need help with any aspect of your GE Digital Energy product, you have a few options.

### Search Technical Support

The GE Digital Energy Web site provides fast access to technical information, such as manuals, release notes and knowledge base topics. Visit us on the Web at:

<http://www.gedigitalenergy.com/>

### Contact Customer Service

The GE Digital Energy Customer Service Center is open 24 hours a day, seven days a week for you to talk directly to a GE representative.

In the U.S. and Canada, call toll-free: 1 800 547 8629

International customers, please call: + 1 905 927 7070

Or e-mail to [multilin.tech@ge.com](mailto:multilin.tech@ge.com)

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## Modification Record

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