Step 2: Configure the PC

- Remote reading and writing PLC parameters over an Ethernet network using
  support@idec.com
- Remote monitoring and control over an Ethernet network using
  www.idec.com/software

This describes how your PC needs to be configured to communicate with the Web Server Module.

Step 3: Configure the Web Server Module

- 1:1 communication between two PLCs over an Ethernet network
- Email messaging where predefined messages can be sent to an email address

This is What You Will Be Setting Up:

- The module is compatible with the IDEC Micro3C, ONC and MicroSmart PLCs, and has
  IDEC MicroSmart
- Thank you for choosing an IDEC Web Server Module.

Introduction

The following instructions assume you are running Windows XP’s default interface. If you are
using the Classic interface for the icon and menu bar like the previous Windows environment, please
follow the instructions for Windows 2000, otherwise proceed to the next step.

Step 1: Connect the Web Server Module

1. Using the Cross-over Ethernet cable, connect one end of the cable to the RJ-45 port of
   your PC. You will need this connection to access the Web Server Module.

2. Enter the following information into the IP Address and Subnet Mask fields:

   IP Address: __ __ __.__ __ __.__ __ __. __ __ __
   Subnet Mask:  __ __ __.__ __ __.__ __ __. __ __ __

   * This is assuming your network is using a DHCP server. If your PC default
   setting is
   "Use the following IP address", where the IP address, Subnet
   Mask and Default Gateway fields are already pre-filled, please note and write down these
   numbers before proceeding to the next step. We will refer to this as the PC IP Address.

Proceed to Step 2: Configure the Web Server Module.

Step 2: Configure the PC

- Remote reading and writing PLC parameters over an Ethernet network using
  support@idec.com
- Remote monitoring and control over an Ethernet network using
  www.idec.com/software

This describes how your PC needs to be configured to communicate with the Web Server Module.

Step 3: Configure the Web Server Module

- 1:1 communication between two PLCs over an Ethernet network
- Email messaging where predefined messages can be sent to an email address

This is What You Will Be Setting Up:

- The module is compatible with the IDEC Micro3C, ONC and MicroSmart PLCs, and has
  IDEC MicroSmart
- Thank you for choosing an IDEC Web Server Module.
Step 1: Connect the Web Server Module

A. Connect the Web Server Module to a 24V DC power supply.

B. Using the Cross-over Ethernet cable, connect one end of the cable to the RJ-45 port of the Web Server Module.

C. Connect the other end of the cable to your PC DIP-switch.

D. You will need this information. First, make sure your PC is turned ON and the Dip Switch on the Web Server Module is in REMOTE mode. It is recommended that you should not run any other applications during this process.

E. In addition to the items listed above, a static IP address and its Subnet Mask & Default Gateway are also required. An IP address needs to be assigned to the Web Server Module in order for it to communicate over the Ethernet network.

F. Use the following IP address. Where the IP address and Subnet Mask fields are already pre-defined, please note and write down these numbers before proceeding to the next step. We will refer to this as the PC IP Address.

G. Enter the following information into the IP Address and Subnet Mask fields:

   IP Address: __ __ __.__ __ __.__ __ __. __ __ __
   Subnet Mask: __ __ __.__ __ __.__ __ __. __ __ __

* This is assuming your network is using a DHCP server. If your PC default setting is to obtain its IP address automatically, please use the information above to configure your PC manually instead.

Step 2: Configure the PC

A. Click the Start button, click Settings and open the Control Panel. From there, double-click the Network icon and open the Network Settings dialog box.

B. Click the Advanced tab, click Use the following IP address, and select Use the following IP address.

C. Enter the following information into the IP Address and Subnet Mask fields:

   IP Address: __ __ __.__ __ __.__ __ __. __ __ __
   Subnet Mask: __ __ __.__ __ __.__ __ __. __ __ __

D. Click the OK button. If Windows does not ask you to restart, restart your computer anyway.

E. The following instructions assume you are running Windows XP's default interface. If you are using the Classic interface (where the icons and menus look like previous Windows versions), please follow the instructions for Windows 2000.

F. Double-click the My Computer icon. Right-click the C: drive and select Properties.

G. Click the Computer Name tab. Click the Change button.

H. Click the Change button. Type your new computer name, then click OK.

I. Click the OK button. Click the Computer Name tab. Click Change Domain.

J. Type your new domain name, then click OK.

K. Click the OK button. Click the Security tab. Click Security Options.

L. Click the drop-down menu and select Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

M. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

N. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

O. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

P. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

Q. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

R. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

S. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

T. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

U. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

V. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

W. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

X. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

Y. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

Z. Click the OK button. Click the Advanced tab. Click Use the following IP address. Type your new IP address and Subnet Mask, then click OK.

**Note:** Do not choose a TCP/IP entry whose name contains an IP address that is not the PC IP Address.
Step 1: Connect the Web Server Module

First, make sure your PC is turned ON and that the Dip Switch on the Web Server Module is in "REMOTE" mode. It is recommended that you should not run any other applications during this process.

To communicate with the Web Server Module, a Cross-over Ethernet cable must be used between your PC and the Web Server Module. Please refer to "How to Set-up Ethernet" for the Cross-over cable or it can be purchased at any electronics store.

A. Connect the Web Server Module to a 24V DC power supply.

B. Using the Cross-over Ethernet cable, connect one end of the cable to the RJ-45 port of the Web Server Module.

C. Connect the other end of the cable to your PC Ethernet port.

Step 2: Configure the PC

In step 2, you will configure your computer to communicate with the Web Server Module. For this, you will need to configure your PC network settings by assigning a static IP address to your PC.

First, find out which operating system your computer is running, such as Windows 95, 98, Millennium, 2000, XP or NT. After you determine which Windows operating system you are running, follow the instructions in this step for your particular operating system.

Here is What You Will Be Setting Up:

• IP Address
• Subnet Mask
• Default Gateway

Please make sure the following parts are available before proceeding to the next step.

A. Cross-over Ethernet cable
B. Ethernet cable
C. Static IP address
D. Static Subnet Mask
E. Static Default Gateway

The IDEC Web Server Module IP Address appears by itself, select that line. Then, click the TCP/IP icon to open the Network screen.

Click the Control Panel and open the Network and Dial-up Connections tab. Then, double-click Local Area Connection.

Select Properties. Enter the following information in Step 2 of this Quick Start Guide. Do NOT continue if this information is not available.

IP Address: __ __ __.__ __ __.__ __ __. __ __ __
Subnet Mask:  __ __ __.__ __ __.__ __ __. __ __ __
Default Gateway:  __ __ __.__ __ __.__ __ __. __ __ __

Follow the instructions in this step for your particular operating system.

For Windows 98, Windows Millennium:

A. Click the Start button, click Settings, and open the Control Panel. From there, double-click the Network icon to open the Network screen.
B. Select the Configuration tab and highlight TCP/IP for the applicable Ethernet adapter. If the word TCP/IP appears by itself, select that line. Then, click the Properties button.

C. Click the Install button and select Protocol. Windows will automatically install the appropriate protocol for the Ethernet adapter.
D. Click Yes, the TCP/IP auto-configuration information is OK.
E. Click OK.

Step 3: Configure the WindLDR Software

Next, we will configure the software that will allow you to remotely monitor and control your MicroSmart PLC using the IDEC Web Server Module.

Note: Do not choose a TCP/IP entry whose name contains DLS, PPP or VPI in ADS.

Proceed to Step 2: Configure the PC
Thank you for choosing an IDEC Web Server Module.

This kit includes:

1) IDEC Web Server Module

Parts Check List:

First, find out which operating system your computer is running, such as Windows 95, 98, Windows Millennium, Windows XP, Windows 2000, Windows ME, Windows NT, Windows 98SE, Windows 2000, Windows 2000 Advanced Server, Windows 2000 Professional, Windows Me, Windows 98SE, Windows ME, or Windows 2000 Server. First, make sure your PC is turned ON and the Dip Switch on the Web Server Module is in REMOTE mode. It is recommended that you should not run any other applications during this process.

In order to communicate with the Web Server Module, you will need to configure your PC network settings by assigning a static IP address and subnet mask to it. This address will be used to communicate with the Web Server Module.

In addition to the items listed above, a static IP address and subnet mask are also required. An IP address needs to be assigned to the Web Server Module in order for it to communicate over the Ethernet network.

To configure your PC:

**Step 1: Connect the Web Server Module**

1. Connect the Web Server Module to a 24V DC power supply.

2. Connect the other end of the cable to your PC Ethernet port.

**Step 2: Configure the PC**

This describes the Remote Monitoring & Control function of the Web Server Module using WindLDR software.

1. First, start the IDEC Support info Software and open the Network screen. From there, double-click the Network screen icon to open the Network screen.

   **A. Connect the Web Server Module to a 24V DC power supply.**

   **B. Using the Cross-over Ethernet cable, connect one end of the cable to the RS-485 port of the Web Server Module.**

   **C. Connect the other end of the cable to your PC Ethernet port.**

2. Enter the following information into the IP Address and Subnet Mask fields:

   **IP Address:** 

   **Subnet Mask:** 

   **Default Gateway:**

3. If your network is using a DHCP server, your IP address, subnet mask, and default gateway will be automatically assigned. If your network is not using a DHCP server, you will need to enter the following information:

   **IP Address:** 

   **Subnet Mask:** 

   **Default Gateway:**

4. Click the OK button to close the Internet Protocol (TCP/IP) Properties dialog box.

**Step 3: Configure the Web Server Module**

First, select the Configure the Web Server Module item and then click the Properties button.

**Parts Check List:**

**Notes:** Do not choose a TCP/IP entry whose name contains DNP, PPI, OPC, or ADS.
This Quick Start Guide will walk you through the process of configuring a Web Server Module, setting it up on an Ethernet network (as illustrated above) and using it to remotely monitor and control a PLC using WindLDR software.

**Introduction**

Thank you for choosing an IDEC Web Server Module.

This module is compatible with the IDEC Micro3C, ONC and MicroSmart PLCs, and has four major built-in functions:

- Remote monitoring and control over an Ethernet network using WindLDR or standard SCADA software
- Remote monitoring and control over an Ethernet network using standard IE or Netscape browser
- Parts Quantity Notes Check Box
- Cross-over cable or it can be purchased at any electronics store.

This Quick Start Guide will walk you through the process of configuring a Web Server Module, setting it up on an Ethernet network (as illustrated above) and using it to remotely monitor and control a PLC using WindLDR software.

**Parts Check List:**

Please make sure the following parts are available before proceeding to the next step.

1. IDEC Web Server Module
2. Cross-over Ethernet cable
3. Standard Ethernet cable
4. Cross-over cable

**Step 1: Connect the Web Server Module**

First, make sure your PC is turned ON and the Dip Switch on the Web Server Module is in REMOTE mode. It is recommended that you should not run any other applications during this process.

In order to communicate with the Web Server Module, a Cross-over Ethernet cable is required. Please follow the instructions below for your particular Ethernet adapter. If you are running Windows XP, Windows Millennium, Windows 2000 or Windows 98, Windows Millennium, 2000 or XP. Once you know which Windows operating system you are running, follow the directions in this step for your particular operating system.

**Parts required:** Windows 98, Windows Millennium

A. Click the Start button, click Settings and open the Control Panel. From there, double-click the Network icon to display the Network screen.

B. Select the adapter that you need to configure in the Properties box.

C. Connect the other end of the cable to your PC Ethernet port.

D. Select the adapter’s Properties box and click the Internet Protocol (TCP/IP) Properties button.

E. Enter the following information into the IP Address and Subnet Mask fields:

   - IP Address: 192.168.1.1
   - Subnet Mask: 255.255.255.0

   *This is assuming your network is using a DHCP server. If your PC default setting is DUN, PPPoE, VPN or AOL, please consult your network administrator.*

F. Click the OK button, then click the OK button again.

G. Please make sure the following parts are available before proceeding to the next step. We will refer to this as the PC IP Address.

H. If you are running Window's Classic interface, please follow the instructions for Windows 2000.

I. If Windows asks you to restart your PC, click the Yes button.

**Step 2: Configure the PC**

In step 2, you will configure your computer to communicate with the Web Server Module.

**Parts required:** Windows 98, Windows Millennium

A. Connect the Web Server Module to your PC via the Ethernet cable. Please refer to your PC User’s Guide for the applicable Ethernet adapter.

B. Use the Cross-over Ethernet cable, connect one end of the cable to the RJ-45 port of the Web Server Module.

C. Connect the other end of the cable to your PC Ethernet port.

**Parts required:** Windows 98, Windows Millennium

A. Click the Start button, click Settings and open the Control Panel. From there, double-click the Network icon to display the Network screen.

B. Select the adapter that you need to configure in the Properties box.

C. Connect the other end of the cable to your PC Ethernet port.

D. Select the adapter’s Properties box and click the Internet Protocol (TCP/IP) Properties button.

E. Enter the following information into the IP Address and Subnet Mask fields:

   - IP Address: __ __ __.__ __ __.__ __ __. __ __ __
   - Subnet Mask: __ __ __.__ __ __.__ __ __. __ __ __

   *This is assuming your network is using a DHCP server. If your PC default setting is DUN, PPPoE, VPN or AOL, please consult your network administrator.*

F. Click the OK button, then click the OK button again.

G. Please make sure the following parts are available before proceeding to the next step. We will refer to this as the PC IP Address.

H. If you are running Window’s Classic interface, please follow the instructions for Windows 2000.

I. If Windows asks you to restart your PC, click the Yes button.

**Step 3: Connect the Web Server Module**

This step will configure the Web Server Module to communicate with the WindLDR software.

A. Connect the Cross-over Ethernet cable to the Cross-over Ethernet port on the back of the Web Server Module.

B. Connect the other end of the cable to your PC Ethernet port.

C. Proceed to Step 2: Configure the PC.
Continued on page 5

Step 4: Configure the WindLDR software
This takes you through the process of how to configure the Web Server Module to communicate with the WindLDR software.

This Quick Start Guide will lead you through the process of configuring a Web Server Module.

*Note: Do not choose a TCP/IP entry whose name contains DUN, PPPoE, VPN or AOL.

Step 3: Configure the Web Server Module

A. WindLDR Version 4.7 or above installed
B. IDEC PLC 1 FC2A-( )C, FC3A, FC4A, FC5A series
C. 24V DC Power Supply
D. Cross-over Ethernet cable
E. Also known as Straight-thru cable

Part Check List:

In order to communicate with the Web Server Module, a following information in
IDEC Web Server Module IP Address
Subnet Mask: __ __ __.__ __ __.__ __ __. __ __ __
Default Gateway: __ __ __.__ __ __.__ __ __. __ __ __

This IP Address and its Subnet Mask &
information in
IDEC Web Server Module IP Address
Subnet Mask: __ __ __.__ __ __.__ __ __. __ __ __
Default Gateway: __ __ __.__ __ __.__ __ __. __ __ __

is REQUIRED. Please ask your IT personnel for this
setting is

* This is assuming your network is using a DHCP server. If your PC default
setting is

* This is assuming your network is using a DHCP server. If your PC default

Proceed to Step 3: Configure the Web Server Module

For the applicable Ethernet connection is not available.

If you are running:

First, find out which operating system your computer is running, such as Windows 95, 98, Windows Millennium, 2000 or XP. Once you know which Windows operating system you are running, follow the directions in this step for your particular operating system.

Windows 2000

A. Click the Start button, click Settings and open the Control Panel. From there, double-click the Network and Dial-up Connections icon. This will display the Network screen.
B. Double-click Local Area Connections and click the Properties button.
C. Select Internet Protocol (TCP/IP) and click the Properties button.
D. Select the following IP address*: 192.168.1.1
E. Enter the following information into the IP Address and Subnet Mask fields:
IP Address: 192.168.1.1
Subnet Mask: 255.255.255.0
F. Click the OK button to close the Internet Protocol (TCP/IP) Properties dialog box.
G. Click the OK button again to close the Local Area Connection Properties dialog box.

Proceed to Step 3: Configure the Web Server Module

If you are running: Windows XP

The following instructions assume you are running Windows XP's default interface. If you are using the Classic interface before the icons and menus look like previous Windows versions, please follow the instructions for Windows 2000. In order to communicate with the Web Server Module, a

If you are running:

Windows XP

A. Click the Start button and open the Control Panel.
B. Double-click the Network Connections icon to display the Network screen.
C. Double-click Local Area Connections and click the Properties button.
D. Select Internet Protocol (TCP/IP) and click the Properties button.
E. Enter the following information into the IP Address and Subnet Mask fields:
IP Address: 169.254.100.1
Subnet Mask: 255.255.255.0
F. Click the OK button to close the Internet Protocol (TCP/IP) Properties dialog box.
G. Click the Close button to close the Local Area Connection Properties dialog box.

Proceed to Step 3: Configure the Web Server Module

If you are running: Windows XP
Step 1: Connect the Web Server Module

Please make sure the following parts are available before proceeding to the next step.

- Web Server Module
- Ethernet Cable
- 24V DC Power Supply
- Cross-over Ethernet Cable
- Standard Ethernet Cable

1) Connect the Web Server Module to a 24V DC power supply.

2) Connect the other end of the cable to your PC Ethernet port.

3) Connect the Web Server Module to your PC.

Step 2: Configure the PC

This walks you through the process of connecting the Web Server Module to your PC.

- Enter the following information into the IP Address and Subnet Mask fields:
  - IP Address: 192.168.1.1
  - Subnet Mask: 255.255.255.0

- Connect the Web Server Module to your PC. You will need to revert your PC back to this IP address when you are done configuring the Web Server Module.

Step 3: Configure the Web Server Module

- Click the OK button. Windows may ask you for the original Windows installation file or an internet connection. Supply them by pointing to the correct location, e.g., C:\Windows, Default, Control panel, etc. (this assumes that "C:" is the letter of your CD-ROM drive).
- Windows adds you to the network PC, click the Yes button. If Windows does not ask you to install network support, install your computer's operating system.

- Enter the following information into the IP Address and Subnet Mask fields:

**A.** Select the following IP address:

**B.** Select the following fields:

- IP Address:
- Subnet Mask:
- Default Gateway:

- Enter the following information into the IP Address and Subnet Mask fields:

**C.** Enter the following information into the IP Address and Subnet Mask fields:

**D.** Enter the following information into the IP Address and Subnet Mask fields:

**E.** Enter the following information into the IP Address and Subnet Mask fields:

**F.** Enter the following information into the IP Address and Subnet Mask fields:

**G.** Enter the following information into the IP Address and Subnet Mask fields:

**H.** Enter the following information into the IP Address and Subnet Mask fields:

**I.** Enter the following information into the IP Address and Subnet Mask fields:

**J.** Enter the following information into the IP Address and Subnet Mask fields:

**K.** Enter the following information into the IP Address and Subnet Mask fields:

**L.** Enter the following information into the IP Address and Subnet Mask fields:

**M.** Enter the following information into the IP Address and Subnet Mask fields:

**N.** Enter the following information into the IP Address and Subnet Mask fields:

**O.** Enter the following information into the IP Address and Subnet Mask fields:

**P.** Enter the following information into the IP Address and Subnet Mask fields:

**Q.** Enter the following information into the IP Address and Subnet Mask fields:

**R.** Enter the following information into the IP Address and Subnet Mask fields:

**S.** Enter the following information into the IP Address and Subnet Mask fields:

**T.** Enter the following information into the IP Address and Subnet Mask fields:

**U.** Enter the following information into the IP Address and Subnet Mask fields:

**V.** Enter the following information into the IP Address and Subnet Mask fields:

**W.** Enter the following information into the IP Address and Subnet Mask fields:

**X.** Enter the following information into the IP Address and Subnet Mask fields:

**Y.** Enter the following information into the IP Address and Subnet Mask fields:

**Z.** Enter the following information into the IP Address and Subnet Mask fields:

**Quick Start Guide**

**Web Server Module for MicroSmart PLC**

**Supported Operating Systems**

- Windows XP
- Windows 2000
- Windows Me
- Windows 98
- Windows NT
- Windows 95

**Supported Internet Protocols:**

- TCP/IP
- IPX/SPX
- Novell Netware

**Supported Browsers:**

- Internet Explorer
- Netscape Navigator
- Opera

**Important Notes:**

- This manual describes the use of this product with the IDEC Web Server Module IP version 1.0.
- This manual is intended for use with the IDEC MicroSmart PLC series.
- This manual is not intended to be used with any other PLC series.
- This manual is intended for use by trained personnel only.
- This manual is not intended to be used by unauthorized personnel.
Step 1: Unpack the Web Server Module

1. Open the package and check the contents. Verify that you have the following items:
   - Web Server Module
   - Ethernet cable
   - Quick Start Guide

2. Discard the packaging and keep the Quick Start Guide for future reference.

Step 2: Configure the PC

1. Connect the Web Server Module to the computer’s Ethernet port.
2. Open the Control Panel and select Network Connections.
3. Right-click the Local Area Connection and select Properties.
4. Click the Internet Protocol (TCP/IP) and select Properties.
5. Enter the following information into the IP Address and Subnet Mask fields:
   - IP Address: 192.168.1.1
   - Subnet Mask: 255.255.255.0

6. Click OK to save the settings.

Step 3: Configure the Web Server Module

1. Connect the Web Server Module to a 24V DC power supply.
2. Make sure your PC is turned on and the Dip Switch on the Web Server Module is in REMOTE mode.
3. Use the following IP address:
   - IP Address: 192.168.1.1
   - Subnet Mask: 255.255.255.0

4. Click the OK button and close the Local Area Connection Properties dialog box.

Step 4: Configure the WindLDR software

1. Use the Cross-over Ethernet cable to connect the Web Server Module to an Ethernet network.
2. Use WindLDR software to remotely monitor and control a PLC.

Step 5: Parts Check List

- Web Server Module
- Ethernet cable
- Quick Start Guide
- 24V DC power supply
- Cross-over Ethernet cable

Thank you for choosing an IDEC Web Server Module.
Step 4: Configure the WindLDR software

- Connect the other end of the cable to your PC Ethernet port.

C. Technical support

- WindLDR or standard SCADA software
- Software demos and upgrades:
  - IDEC MicroSmart

Thank you for choosing an IDEC Web Server Module.

Parts Check List:
- WindLDR Version 4.7
- WindLDR 4.7 or above installed
- IDEC PLC 1 FC2A-( )C, FC3A, FC4A, FC5A series
- 24V DC Power Supply
- 1 Cross-over Ethernet cable
- 1 Standard Ethernet cable
  - Also known as Straight-thru cable

Parts Quantity Notes

Check Box

A. First, make sure your PC is turned ON and the Dip Switch on the Web Server Module is in REMOTE mode. It is recommended that you should not run any other applications during this process.

B. Using the Cross-over Ethernet cable, connect one end of the cable to the RJ-45 port of the Web Server Module. The other end of the cable will be connected to your PC using a straight-through Ethernet cable.

C. Connect the other end of the cable to your PC Ethernet port.

D. Enter the following information into the IP Address and Subnet Mask fields:

- IP Address: __ __ __.__ __ __.__ __ __. __ __ __
- Subnet Mask: __ __ __.__ __ __.__ __ __. __ __ __

E. Click the OK button. Windows may ask you for the original Windows installation media or an additional file.

F. Supply them by pointing to the correct location, e.g., Drives,化疗, Ch⌊chemotherapy⌋, etc. (This assumes that "Drives" is the letter of your CD-ROM drive.)

G. If WindLDR adds you to the Network, click the Yes button. If WindLDR does not ask you to install, restart your computer.

Proceed to Step 3: Configure the Web Server Module

If you are running Windows 2000

- A. Click the Start button, click Settings, and open the Control Panel. From there, double-click the Network and Dial-up Connections icon. This will display the Network Connections screen.
- B. Double-click Local Area Connections and click the Properties button.
- C. Select Internet Protocol (TCP/IP) and click the Properties button.
- D. Select the following IP address:

  - IP Address: __ __ __.__ __ __.__ __ __. __ __ __
  - Subnet Mask: __ __ __.__ __ __.__ __ __. __ __ __

If you are running Windows XP

- A. Click the Start button and open the Control Panel. From there, double-click the Network Connections icon to display the Network Connections screen.
- B. Double-click Local Area Connections and click the Properties button.
- C. Select Internet Protocol (TCP/IP) and click the Properties button.
- D. Enter the following information into the IP Address and Subnet Mask fields:

  - IP Address: 192.168.1.1
  - Subnet Mask: 255.255.255.0

E. Click the OK button to close the Internet Protocol (TCP/IP) Properties dialog box.

F. Click the OK button again to close the Local Area Connection Properties dialog box.

G. Click the OK button to close the Internet Protocol (TCP/IP) Properties dialog box.

H. Click the Close button to close the Local Area Connection Properties dialog box.

Proceed to Step 3: Configure the Web Server Module

If you are running Windows XP

- A. Click the Start button and open the Control Panel. From there, double-click the Network Connections icon to display the Network Connections screen.
- B. Double-click Local Area Connections and click the Properties button.
- C. Select Internet Protocol (TCP/IP) and click the Properties button.
- D. Enter the following information into the IP Address and Subnet Mask fields:

  - IP Address: __ __ __.__ __ __.__ __ __. __ __ __
  - Subnet Mask: __ __ __.__ __ __.__ __ __. __ __ __

E. Click the OK button to close the Internet Protocol (TCP/IP) Properties dialog box.

F. Click the Close button to close the Local Area Connection Properties dialog box.
Step 3: Configure the Web Server Module

A. Launch your browser. Enter or Netscape.

B. In the URL window, type 192.168.1.5 Press Enter.

C. One of two Warning Security dialog boxes will appear. Click Revert to continue. If after 30 seconds neither of these windows appear, close your browser and repeat step IA again.

D. The Web Server Unit Settings dialog box will appear.

E. Click the Network tab.

F. Enter your IDEC Web Server Module IP address here. *The IDEC Web Server Module IP Address is a static IP address that was pre-defined with a static IP address (refer to Step 2), then fill in the PC IP Address here.

G. Click the Save button.

H. Select reboot. Then click the Reboot button.

I. Close the Web Server Unit Settings dialog box and browser.

J. WindLDR will search for the Web Server Module with the IP you assigned in Step 3. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module. WindLDR is now monitoring the connected PLC via the Ethernet network. You have successfully established remote communication with the Web Server Module. You can now monitor, download and upload ladder programs remotely via Ethernet.

K. Please visit our website at www.idec.com/plc for other tutorials on how to configure the WindLDR software.

L. Copyright © IDEC Corporation 2001. All rights reserved. IDEC products are manufactured by IDEC Corporation and are available worldwide.

With up to 8MB of memory and a 200Mhz 32-bit RISC CPU, IDEC Touchscreens put control, power and speed at your fingertips.
Step 3: Configure the Web Server Module

A. Make sure both the Web Server Module and PLC are connected to power.

B. Using a standard RJ45 Ethernet cable, connect one end to the PLC and the other end to your network hub.

C. Using a second standard RJ45 Ethernet cable, connect one end to the Web Server Module and the other end to your network hub.

D. The Web Server Unit Settings dialog box will appear.

E. Click the Network menu.

F. Click the Search button.

G. Click the Save button.

H. Select Reboot. Then click the Reboot button.

I. Close the Web Server Unit Settings dialog box and browser.

J. WindLDR is now monitoring the connected PLC via the Ethernet network. You have successfully established remote communication with the Web Server Module. You can now monitor, download and upload ladder programs remotely via Ethernet.

K. To continue. (If this is a default factory IP settings for the Web Server Module, enter 192.168.1.5 in these fields. For demonstration purposes, a random number is used here but please ONLY enter your IDEC Web Server Module IP Address* here.

L. Enter your IDEC Web Server Module IP Address here.

M. Select Obtain an IP address automatically*. This is assuming your network is using a DHCP server. If your PC was predefi ned with a static IP address (refer to Step 2), then fill-in the PC IP Address here.

N. Note: Please be sure to document required in the Parts Check List section. This is an IP address you need to obtain from your Network Administrator.

O. The IDEC Web Server Module IP Address is a static IP address that was predefi ned with a static IP address (refer to Step 2). If your network does not use Default Gateway, then fill-in the Default Gateway fields.

P. For demonstration purposes, a random number is used here but please ONLY enter your IDEC Web Server Module IP Address* here. For demonstration purposes, a random number is used here but please ONLY enter your IDEC Web Server Module IP Address here.

Q. For demonstration purposes, a random number is used here but please ONLY enter your IDEC Web Server Module IP Address here. For demonstration purposes, a random number is used here but please ONLY enter your IDEC Web Server Module IP Address here.

R. The Web Server Unit Settings dialog box will appear. Click the Close button to close this window (Do NOT click the OK button).

S. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.

T. Reboot. Select Online Monitor ➡ Communication ➡ Setting Web Server Unit ➡ OK button. WindLDR will search for the Web Server Module with the IP you assigned in Step 3. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.

U. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.

V. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.

W. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.

X. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.

Y. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.

Z. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.
Step 3: Configure the Web Server Module

A. Launch your browser (Internet Explorer or Netscape).

B. In the URL window, type 192.168.1.5 (this is the default factory IP settings for the Web Server Module), then hit Enter.

C. One of two Warning Security dialog boxes will appear. Click Run/Yes to continue. If after 38 seconds neither of these windows appear, close your browser and repeat step 3A again.

D. The Web Server Unit Settings dialog box will appear. Enter your IDEC Web Server Module IP Address* here. *This is an IP address you need to obtain from your Network Administrator.

E. Click the Network menu.

F. Enter your IDEC Web Server Module IP Address here. The IDEC Web Server Module IP Address is a static IP address that was pre-defined with a static IP address (refer to Step 2), then fill-in the PC IP Address and click OK to close this window (Do NOT click the OK button).

G. Click the Save button.

H. Select Reboot. Then click the Reboot button.

I. Close the Web Server Unit Settings dialog box and browser.

J. WindLDR will search for the Web Server Module with the IP you assigned in Step 3.

K. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.

L. The Web Server Unit Settings dialog box will appear. Click the Online button. The Web Server Unit Settings dialog box will appear, highlight IP Address and click OK button.

M. WindLDR is now monitoring the connected PLC via the Ethernet network. You have successfully established remote communication with the Web Server Module. You can now monitor, download and upload ladder programs remotely via Ethernet.

Note: Please be sure to document required in the Parts Check List section. This is an IP address you need to obtain from your Network Administrator.

With up to 8MB of memory and a 200Mhz 32-bit RISC CPU, IDEC Touchscreens put control, power and speed at your fingertips. IDEC Touchscreens put perfect solutions for your display needs. From the large 12.1" TFT LCD screen to the compact 5.7" STN LCD, our screens cover all types of applications. Ideal for harsh environments, our Touchscreens offer excellent visibility. When combined with our powerful WindO/I-NV2 software, you can create colorful graphical interfaces for easier product operation. With an in WMM of memory and a 3MB LCD, IDEC Touchscreens put control, power and speed at your fingertips.
Step 3: Configure the Web Server Module

A. Launch your browser (Internet Explorer or Netscape).

B. In the URL window, type 192.168.1.15 (this is the default factory IP settings for the Web Server Module), then hit Enter.

C. One of two Warning-Security dialog boxes will appear. Click Run/Yes to continue. (If you have forgotten how to do this).

D. The Web Server Unit Settings dialog box will appear.

E. The Web Server Unit Settings dialog box will appear. Click the Network menu.

F. Enter your IDEC Web Server Module IP Address* here. * The IDEC Web Server Module IP Address is a static IP address that was assigned when you purchased the Web Server Module. Please note that this is the IP address you need to obtain from your Network Administrator. This is an IP address you need to obtain from your Network Administrator. This is an IP address you need to obtain from your Network Administrator.

G. Click the Save button.

H. Select Reboot. Then click the Reboot button.

I. Close the Web Server Unit Settings dialog box and browser. Proceed to Step 4: Configure the WindLDR software.

J. WindLDR will search for the Web Server Module with the IP you assigned in Step 3. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module.

K. Click Close to close this window (Do NOT click the OK button).

L. The Web Server Unit Settings dialog box will appear. Click the IP address and click <Reboot> to close this window (Do NOT click the OK button).

Note: Please be sure to document the IP address and click <Reboot> to close this window (Do NOT click the OK button). This is an IP address you need to obtain from your Network Administrator.

* This is assuming your network is using a DHCP server. If your PC was not configured with a static IP address, the PC will obtain a dynamic IP address from the DHCP server. In this case, you will need to query your Network Administrator for the IP address of the IDEC Web Server Module. If your network uses a static IP address, you can enter the IP address directly into the IDEC Web Server Module. If your network uses a static IP address, you can enter the IP address directly into the IDEC Web Server Module.

For demonstration purposes, a random number is used here but please ONLY enter your own dynamic IP address for future reference. It is recommended that you record the IP address on a label and apply it to the module directly.

In this step, you will revert your PC network settings to their original settings, put the IDEC Web Server Module onto the Ethernet network and configure the WindLDR software to remotely communicate with the Web Server Module.

The Web Server Module functions, such as Web Monitoring, Email and Point-to-Point PLC communication, can be configured with the WindLDR software. Make sure you are running WindLDR version 4.7 or above.

Please visit our website at www.idec.com/plc for more information on IDEC TouchScreen products.
**Step 2: Configure the Web Server Module**

- Open the Internet Protocol (TCP/IP) Properties dialog box (Please refer to Step 2 if you have forgotten how to do this).
- Select Obtain an IP address automatically.*
- Launch WindLDR. Make sure you are running WindLDR version 4.7 or above.
- Select Online ➡ Monitor ➡ Setting Web Server Unit ➡ Setting Web Server Unit functions. Choose simple black plastic bezels for clean uniformity or chrome-plated metallic bezels for a rugged industrial look.
- After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module. Select the IP address and click OK to close this window (Do NOT click the OK button).
- WindLDR will search for the Web Server Module with the IP you assigned in Step 3A. After approximately 30 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module. Select the IP address and click OK to close this window (Do NOT click the OK button).
- WindLDR is now monitoring the connected PLC via the Ethernet network. You have successfully established remote communication with the Web Server Module. You can now monitor, download and upload ladder programs remotely via Ethernet.

* This is assuming your network is using a DHCP server. If your PC was preconfigured with a static IP address (refer to Step 2), then fill-in the Address fields for the IP address and click OK to close this window (Do NOT click the OK button).
**Step 4: Configure the WindLDR software**

In this step, you will revert your PC network settings to their original settings, put the Web Server Module onto the Ethernet network and configure the WindLDR software to remotely communicate with the Web Server Module.

**A.** Open the Internet Protocol (TCP/IP) Properties dialog box (Please refer to Step 2 if you have forgotten how to do this).

**B.** Select Obtain an IP address automatically.*

*This is assuming your network is using a DHCP server. If your PC was predefned with a static IP address (refer to Step 2), then fill-in the PC IP Address here.

**C.** Click the OK button to close the Internet Protocol (TCP/IP) Properties dialog box.

**D.** Click the OK button to close the Local Area Connection Properties dialog box.

**E.** Change your Web Server Module setup as below:

- Using a standard RJ45 Ethernet cable, connect one end to the Web Server Module and the other end to your network hub.
- Using a second standard RJ45 Ethernet cable, connect one end to the PC Ethernet port and the other end to your network hub.
- Connect one end of the interface cable to the Web Server Module and the other end to the PLC.
- Make sure both the Web Server Module and PLC are connected to power.

**F.** Launch WindLDR software. Make sure you are running WindLDR version 4.7 or above.

**G.** Select Configuration ➡ Communications.

**H.** Select Ethernet and click on the Setting Web Server Unit button.

**I.** The Web Server Unit Settings dialog box will appear. Click the Search button.

**J.** WindLDR will search for the Web Server Module with the IP you assigned in Step 3. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module. Select the IP address and click OK to close this window (Do NOT click the OK button).

**K.** Click the OK button to close the Communication Settings dialog box.

**L.** Click Online ➡ Watch. The Web Server Unit Settings dialog box will appear. Highlight the IP address and click the OK button.

**M.** WindLDR is now monitoring the connected PLC via the Ethernet network. You have successfully established a remote communication with the Web Server Module. You can now monitor, download and upload ladder programs remotely via Ethernet.

**Note:** Please be sure to document required in the Parts Check List section. This is an IP address you need to obtain from your Network Administrator.

* The IDEC Web Server Module IP Address is a static IP address that was predefned with a static IP address (refer to Step 2), then fill-in the PC IP Address here. For demonstration purposes, a random number is used here but please ONLY enter your correct Web Server Module IP Address, Subnet Mask and Default Gateway (leave it as 0.0.0.0 if your network does not use Default Gateway) in these fields.

**HW Switches**

In basic black or stylish metal, the HW series of 22mm switches from IDEC are available in several styles to dress up any panel. HW pushbuttons and pilot devices are offered in a wide range of styles, colors and options to suit a wide variety of applications. Choose simple black plastic bezels for clean uniformity or chrome-plated metallic bezels for a rugged industrial look.

Please visit our website at [www.idec.com/plc](http://www.idec.com/plc) for other tutorials on how to configure Web Server Module functions, such as Web Monitoring, Email and Point-to-Point PLC communication.
A. Open the Internet Protocol (TCP/IP) Properties dialog box (Please refer to Step 2 if you have forgotten how to do this).

B. Select Obtain an IP address automatically*. This is assuming your network is using a DHCP server. If your PC was predefned with a static IP address (refer to Step 2), then fill-in the PC IP Address here.

C. Click the OK button to close the Internet Protocol (TCP/IP) Properties dialog box.

D. Launch WindLDR software. Make sure you are running WindLDR version 4.7 or above.

E. Change your Web Server Module setup as below:
   - Using a standard RJ45 Ethernet cable, connect one end to the Web Server Module and the other end to your network hub.
   - Using a second standard RJ45 Ethernet cable, connect one end to the PLC Ethernet port and the other end to your network hub.
   - Connect one end of the interface cable to the Web Server Module and the other end to the PLC.
   - Make sure both the Web Server Module and PLC are connected to power.

F. Launch WindLDR software. Make sure you are running WindLDR version 4.7 or above.

G. Select Configure Communications.

H. Select Ethernet and click on the Communications button.

I. The Web Server Unit Settings dialog box will appear. Click the Search button.

J. WindLDR will search for the Web Server Module with the IP you assigned in Step 3. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module. Select the IP address and click OK to close this window (Do NOT click the OK button).

K. Click the OK button to close the Communication Settings dialog box.

L. Click Online ➔ Monitor. The Web Server Unit Settings dialog box will appear. Highlight the IP address and click the OK button.

M. WindLDR is now monitoring the connected PLC via the Ethernet network. You have successfully established a remote communication with the Web Server Module. You can now monitor, download and upload ladder programs remotely via Ethernet.

N. Please visit our website at www.idec.com/plc for other tutorials on how to configure Web Server Module functions, such as Web Monitoring, Email and Panel-to-Point PLC communication.
Step 6: Configure the WindLDR software

In this step, you will revert your PC network settings to their original settings, put the Web Server Module onto the Ethernet network and configure the WindLDR software to remotely communicate with the Web Server Module.

**A.** Open the Internet Protocol (TCP/IP) Properties dialog box (Please refer to Step 2 if you have forgotten how to do this).

**B.** Select Obtain an IP address automatically.

This is assuming your network is using a DHCP server. If your PC was preconfigured with a static IP address (refer to Step 2), then fill in the PC IP Address here.

**C.** Click the OK button to close the Internet Protocol (TCP/IP) Properties dialog box.

**D.** Click the OK button to close the Local Area Connection Properties dialog box.

**E.** Change your Web Server Module setup as below:

- Using a standard RJ45 Ethernet cable, connect one end to the Web Server Module and the other end to your network hub.
- Using a second standard RJ45 Ethernet cable, connect one end to the PC Ethernet port and the other end to your network hub.
- Connect one end of the interface cable to the Web Server Module and the other end to the PLC.
- Make sure both the Web Server Module and PLC are connected to power.

**F.** Launch WindLDR software. Make sure you are running WindLDR version 4.7 or above.

**G.** Select Configure ➔ Communications.

**H.** Select Ethernet and click on the Setting Web Server Unit button.

**I.** The Web Server Unit Settings dialog box will appear. Click the Search button.

**J.** WindLDR will search for the Web Server Module with the IP you assigned in Step 3. After approximately 10 seconds, the Web Server Unit Settings dialog box will display the IP address of the Web Server Module. Select the IP address and click OK. If not, click the OK button.

**K.** Click the OK button to close the Communication Settings dialog box.

**L.** Click Online ➔ Watch. The Web Server Unit Settings dialog box will appear. Highlight the IP address and click the OK button.

**M.** WindLDR is now monitoring the connected PLC via the Ethernet network. You have successfully established a remote communication with the Web Server Module. You can now monitor, download and upload ladder programs remotely via Ethernet.

**Note:** Please be sure to document required in the Parts Check List section. This is an IP address you need to obtain from your Network Administrator.

* This is assuming your network is using a DHCP server. If your PC was preconfigured with a static IP address (refer to Step 2), then fill in the PC IP Address here.

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Please visit our website at www.idec.com/plc for other tutorials on how to configure Web Server Module functions, such as Web Monitoring, Email and Point-to-Point PLC communication.
Thank you for choosing an IDEC Web Server Module.

This module is compatible with the IDEC Micro/D, ONE and Micro-ex PLCs, and has four major built-in functions:

- Remote monitoring and control over an Ethernet network using WinEdT or standard SCADA software.
- Remote monitoring and control over an Ethernet network using standard Ethernet adapter.
- Communication between two PLCs over an Ethernet network.
- Email messaging when predefined messages can be sent to an email address or URL.

This Quick Start Guide will walk you through the process of configuring a Web Server Module, setting it up on an Ethernet network (as illustrated above) and using it to remotely monitor and control a PLC using WindLDR software.

### Parts Check List

Please make sure you have the following parts available before proceeding to the next step:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Model</th>
<th>Check Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Server Module</td>
<td>1</td>
<td>IDEC Web Server Module 4/06 7.5K</td>
<td>✓</td>
</tr>
</tbody>
</table>

This is What You Will Be Setting Up:

1. Connect the Web Server Module
2. Configure the PC
3. Configure the Web Server Module
4. Configure the WindLDR software

#### Step 1: Connect the Web Server Module

First, make sure your PC is turned ON and the Dip Switch to the Web Server Module is in REMOTE mode. It is recommended that you should never run any other applications during this process.

In order to communicate with the Web Server Module, a Cross-over Ethernet cable is needed. If you made a Cross-over cable or it can be purchased at any electronics store.

A. Connect the Web Server Module to a 24V DC power supply.

B. Using the Cross-over Ethernet cable, connect one end of the cable to the RJ-45 port of the Web Server Module.

C. Connect the other end of the cable to your PC Ethernet port.

D. In addition to the items listed above, a static IP address and its Subnet Mask & Default Gateway are also required. An IP address needs to be assigned to the Web Server Module in order for it to communicate over the Ethernet network. Please consult your Network Administrator for this information.

E. Default Gateway will be called Subnet Mask: __ __ __.__ __ __.__ __ __. Default Gateway: __ __ __.__ __ __.__ __ __.

F. Enter the following information into the IP Address fields are already predefined, please note and write down these numbers before proceeding to the next step. We will refer to this as the PC IP Address.

You will need to revert your PC back to this IP address when you are done configuring the Web Server Module. If you are running:

- Windows 95, Windows Millennium
- Windows NT, Windows 2000
- Windows XP
- Linux
- UNIX
- Any other OS please consult your Network Administrator.

G. Select the IP Address* for the applicable Ethernet adapter. If the word TCP/IP appears by itself, select that line. Then, click the Properties button.

* This is assuming your network is using a DHCP server. If your PC default setting is DHCP, where the IP address, Subnet Mask and Default Gateway fields are already predefined, please note and write down these numbers before proceeding to the next step. We will refer to this as the PC IP Address.

#### Step 2: Configure the PC

First, you will configure your computer to communicate with the Web Server Module. To do this, you will need to configure your PC network settings by assigning a static IP address to your PC.

1. First, tell your operating system your computer is running, such as Windows 95, Windows Millennium, Windows NT, Windows 2000. After you are done, follow the instructions in this step for your particular operating system.

A. Click the Start button, click Settings and open the Control Panel. From there, double-click the Network icon to open the Network screen.

B. Select the Configure option, and highlight the TCP/IP for the applicable Ethernet adapter. If the word TCP/IP appears by itself, select that line. Then, click the Properties button.

#### Step 3: Configure the Web Server Module

The below steps are to configure the Web Server Module to communicate with the WindLDR software.

A. Connect the Cross-over Ethernet cable to the Web Server Module.

B. Enter the following information into the IP Address fields are already predefined, please note and write down these numbers before proceeding to the next step. We will refer to this as the PC IP Address.

C. Connect the other end of the cable to your PC Ethernet port.

D. Enter the following information into the IP Address fields are already predefined, please note and write down these numbers before proceeding to the next step. We will refer to this as the PC IP Address.

E. Select the IP Address* for the applicable Ethernet adapter. If the word TCP/IP appears by itself, select that line. Then, click the Properties button.

#### Step 4: Configure the WindLDR software

This step will configure the WindLDR software to control the Web Server Module using WindLDR software.

Thank you for choosing an IDEC Web Server Module. Please consult your Network Administrator for this information.

The IDEC Web Server Module is compatible with the IDEC Micro/D, ONE and Micro-ex PLCs, and has four major built-in functions:

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A. Connect the Web Server Module to a 24V DC power supply.

B. Using the Cross-over Ethernet cable, connect one end of the cable to the RJ-45 port of the Web Server Module.

C. Connect the other end of the cable to your PC Ethernet port.

D. In addition to the items listed above, a static IP address and its Subnet Mask & Default Gateway are also required. An IP address needs to be assigned to the Web Server Module in order for it to communicate over the Ethernet network. Please consult your Network Administrator for this information.

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- Windows NT, Windows 2000
- Windows XP
- Linux
- UNIX
- Any other OS please consult your Network Administrator.

G. Select the IP Address* for the applicable Ethernet adapter. If the word TCP/IP appears by itself, select that line. Then, click the Properties button.

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C. Connect the other end of the cable to your PC Ethernet port.

D. Enter the following information into the IP Address fields are already predefined, please note and write down these numbers before proceeding to the next step. We will refer to this as the PC IP Address.

E. Select the IP Address* for the applicable Ethernet adapter. If the word TCP/IP appears by itself, select that line. Then, click the Properties button.

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