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## AtlasPC™ Application Note



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### Fixed IP Address

Application Note 51193 (Revision C)



Read this entire manual and all other publications pertaining to the work to be performed before installing, operating, or servicing this equipment. Practice all plant and safety instructions and precautions. Failure to follow instructions can cause personal injury and/or property damage.

## NOTICE

Electronic controls contain static-sensitive parts. Observe the following precautions to prevent damage to these parts.

- Discharge body static before handling the control (with power to the control turned off, contact a grounded surface and maintain contact while handling the control).
- Avoid all plastic, vinyl, and styrofoam (except antistatic versions) around printed circuit boards.
- Do not touch the components or conductors on a printed circuit board with your hands or with conductive devices.

### How to Contact Woodward

In North America use the following address when shipping or corresponding:

Woodward	TELEPHONE: +1 (970) 482-5811 (24 hours a day)
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For assistance outside North America, call one of the following international Woodward facilities to obtain the address and phone number of the facility nearest your location where you will be able to get information and service.

Facility	Phone Number
Australia	+61 (2) 9758 2322
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## AtlasPC™ Application Note

### Fixed IP Address

## IMPORTANT

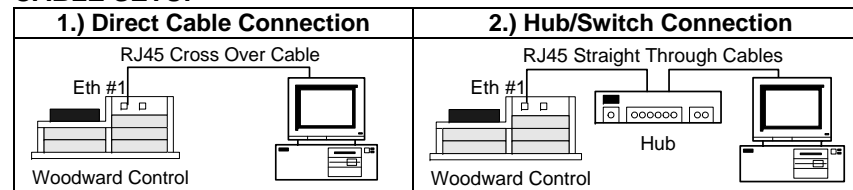
This AtlasPC control has been factory configured with fixed Ethernet IP addresses of:

1. Ethernet #1 = 172.16.100.21, Subnet Mask = 255.255.0.0
2. Ethernet #2 = 192.168.10.20, Subnet Mask = 255.255.0.0

### CONFIGURATION SOFTWARE:

To "Auto-Discover" and configure network IP Address settings, please download the Woodward *AppManager* utility from [www.woodward.com/software](http://www.woodward.com/software).

### CABLE SETUP



### EXAMPLE IP DISCOVERY and CONFIGURATION

\*As an example, **change the Atlas IP1 Address from the factory default of IP1=172.16.100.21 to 154.200.60.34**. Assume your laptop IP address is 154.200.60.33 with a subnet mask of 255.255.0.0. **Note—Each Ethernet port must have a valid and unique IP address!** Refer to the Software Tools Manual 26199 or 26103 for more configuration details.

1. Connect Atlas Ethernet #1 to a PC running *AppManager* as shown above. Please note that *AppManager* will not work with port #2. An isolated network is preferred for the initial configuration.
2. Use the DOS command IPCONFIG to discover your own IP Address and SubNet Mask (**Laptop IP=154.200.60.33** and **subnet=255.255.0.0**). Next, configure the AtlasPC to be on the same domain as your laptop (154.200.x.x).
3. **Change IP1 using AppManager.** AppManager only displays the current IP1 address for Ethernet #1. The IP2 address of Ethernet #2 is not shown.
  - a. **DO NOT highlight the ControlName.** Instead, select menu CONTROL - CHANGE NETWORK SETTINGS. Answer OK to the warning, then enter the current IP1 address (**IP1=172.16.100.21**) into the dialog box.
  - b. **Select "Specify a new IP Address".** Next enter your new IP Address of **154.200.60.34** and use the same Subnet Mask of your PC **255.255.0.0**. Select OK. The control will reboot and briefly disappear from AppManager.
4. **Verify IP1 and discover IP2 with AppManager.** Verify that all IP addresses are set as desired by highlighting the ControlName, then selecting menu CONTROL-CONTROL INFORMATION. Look for the Ethernet adapter addresses under the Footprint Description and write them down.
 

**Note—To highlight the control from AppManager, the domain and subnet numbers of your laptop IP address must match the Atlas Control.**
5. **Verify IP1 communication by pinging (ping 154.200.60.34).** The DOS PING command shows that Ethernet #1 is responding. To PING Ethernet #2, your laptop IP Address and subnet must be re-configured to that domain.

### Changing Ethernet #2 IP Address

To change the Ethernet #2 IP Address (discovered in step 4), use the same process shown in step 3. Note that *the ControlName must not be highlighted*—only a connection to Ethernet #1 is needed, and the IP2 Address will **not** be displayed.