

## Automatic Ethernet Device Discovery

The Ethernet Network Device discovery feature makes ATI's Ethernet products as plug and play as an average network printer. In most cases users will find they do not require any changes to their network settings to begin using the A8 Ethernet device or the EMX Ethernet device. When manually setting up a connection is preferred or necessary, Ethernet devices can be added to the project with a few easy steps.

Enable Ethernet Device Discovery

1. In VISION, select Tools -> Options. Select the TCP/IP tab.

- 2. Check the box Enable Ethernet Network Device Discovery
- 3. Click the OK button to exit the dialog.

\*When using an ATI Ethernet device (EMX or A8) in your device tree, this option will be enabled automatically.

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General	Recon	Recordings Recorder/Stripch						
Import/Export	Data Analysis	Model Browser	Addins	TCP/I				
All Available Selected Friendly Name		Description						
Ethemet 4		D-Link DUB-E1	D-Link DUB-E100 USB 2.0 Fast Ether					
Ethernet 3		Intel(R) Etheme	Intel(R) Ethemet Connection (4) I219-V					
VMware Net	twork Adapter VMnet	1 VMware Virtual	VMware Virtual Ethernet Adapter for V					
VMware Net	twork Adapter VMnet	8 VMware Virtual	Ethernet Adapter	for V				
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## Display the Discovered Network Devices Window

1. Check the box next to the View -> Status Window menu item.

2. Check the box next to the View -> Discovered Network Devices menu item



3. The Discovered Network Devices window will be displayed.

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- F		Device Name	Serial Number	IP Address	Connection Status	Address Mode	MAC Address	Last Ping Time	Description			
	'											
	4	General Log Discov	vered Network Dev	vices /								
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For	r He	elp, press F1										

## Adding a Device

When starting a new project, it may be necessary to add TCP/IP Port to the project if it has not been added. To add TCP/IP Port under the "Device" right click and select "Add Device...".





Now users will be able to see all available hardware on the networks selected to search under Discovered Network Devices tab at the bottom of the screen. Connection Status is displayed as shown below:

- Connected Device is connected to the VISION license being used.
- Free Device is not a part of any VISION project.
- In Use Device is already in use by another VISION license.

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늰	Device Name	Serial Number	IP Address	Connection Status	Address Mode	MAC Address	Last Ping Time	Description	
	A8	106800132	169.254.132.32	Free	DHCP	00:0F:36:00:20:83	07/19/18 13:27:41		
			_						
IJĿ	I ▶ General Log 〉 Disco	overed USB Devices	A Discovered Netw	ork Devices /					

In order to add a free device to a project, right click on the free device and select "Add to Device Tree". The device will then be available in the VISION project that is currently open.

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귀	Device Name	Serial Number	IP Address	Connection Status	Address Mode	MAC Address	Last Ping Time	Description
	A8	106800049	169.254.50.32	Free	DHCP	00:0F:36:00:20:31	05/17/19 14:21:48	A8 Serial ECU Interface Device
	Add to Device Tr	e						
			_	_				
JIL		overed USB Devices	A Discovered Ne	twork Devices /				
De	efault Vehicle 🗸 🗸	<mark>.</mark> 🗘   🗉 😹 I	В	~ \	W	~		
For H	Help, press F1							

## Assign the Device to your Project

- 1. Ensure that your Ethernet device is powered, and connected to an Ethernet port on your PC.
  - Note: due to the TCP/IP connection process, it may take several seconds for your PC to "see" the device once it is connected and powered.

2. Once the device is seen by the PC, it will become available for selection in the Discovered Network Devices window.

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		Device Name	Serial Number	IP Address	Connection Status	Address Mode	MAC Address	Last Ping Time	Description			
		A82	106800131	169.254.1	Free	Auto IP	00:0F:36:00:20:82	02/05/19 16:25:57	A8 Serial ECU Interface Device			
	L											
	∟	General Log A Discov	ered Network Dev	rices /								
][[	Default Vehicle 🗸 🗘 🗐 🖉 🕒 B 🗸 V											
For	r H	elp, press F1										



3. In the Discovered Network Devices window, right-click the device. Menu options will be displayed, allowing you to assign the connected Ethernet device to the Ethernet device(s) in your project tree.

4. Select the menu item for the Ethernet device you wish to assign. This assigns the device to that project tree.

×	Device Name	Serial Number	IP Address	Connection Status	Address Mode	MAC Address	Last Ping Time	Description				
	A82	Add to De	vice Tree	2	Auto IP	00:0F:36:00:20:82	02/05/19 17:11:13	A8 Serial ECU Interface Device				
	Assign to A8											
	General Log Discovered Network Devices											
De	Default Vehicle V											
For H	For Help, press F1											

For additional questions, contact ATI support at support@accuratetechnologies.com.

Contact ATI Sales at : **sales@accuratetechnologies.com** US +00 (1) 248 848 9200 / China +86 138 1023 6357 / France +33 (0) 1 72 76 26 10 / Germany +49 (0) 89 9700 7121 India +91 80 41 69 42 18 / Japan +81 3 6276 8950 / Sweden +46 (0) 31 773 7140 / UK +44 (0) 1767 652 340