IIT-ECON-8 Configuration

Proprietary Statement

Disclaimer

Trademarks

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General Information

This document provides end user and installers with the required information to be able to perform changes to the configuration of the board. While the product ships with default settings allowing easy operation out of the box, some customers / environments may wish to have changes to the networking settings.

Defaults

The following default settings are configured when the board is shipped. If for any reason the board is unreachable you can return the board to factory defaults by following the procedure in the Factory Reset section.

Name	Value
Hostname	IIT-ECON-8
IP Address	DHCP Assigned
interfaceIT Port	10346
Web Management Port	80

Discovery

On power up the board by default will obtain an IP address via a DHCP server on the network that it is connected. Once an address is obtained the board will advertise its name and IP address and can be viewed by using the interfaceIT-Discovery utility. In addition the announcement, the board will send its name and address on the NetBIOS protocol so any Windows PC connected to the same network will be able to access it by name (default IIT-ECON-8).

Web Management

All interfaceIT Ethernet Controllers are managed via a web interface thru a Web Browser. To connect to the management interface you can either enter in the IP address of the device, or use the hostname, for example: http://iit-econ-8. Once connected to the management portal you are able to change network configuration, reboot/reset the device, view board and sub board information.

Home

This is the home page for the controller.
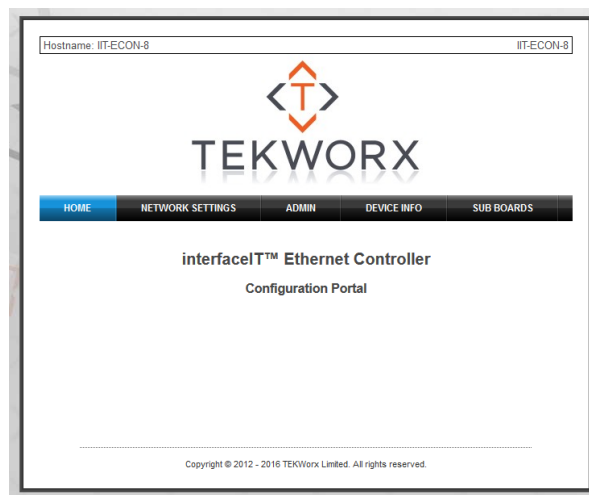
Figure 1 - Home

Network Settings

The network settings page allows changing of the hostname, DHCP and IP address settings. The settings (other than hostname) should be only updated if you understand networking.

Figure 2 - Network Settings

Setting	Description
Hostname*	Name used for announcement and NetBIOS. The name can be up to 63 characters, however needs to be 16 characters or less for NetBIOS or it will be truncated.
	Valid characters are letters (a-z), numbers (0-9) and the hyphen (-).
Enable DHCP	Enables/Disabled the DHCP function which obtains network information automatically
IP Address	Static assignment of the IP address used for this board
Gateway	Static assignment of the default gateway
Subnet Mask	Subnet mask used on this network
Primary DNS	Primary DNS server (not used can be left blank)
Secondary DNS	Secondary DNS server (not used can be left blank)
Save Configuration	Commits your changes and reboots the board (if needed).

*Note: If you have multiple boards of the same type connected to the same network you will be required to change the hostname to prevent name resolution conflicts.

Admin

The admin page allows you to perform administration functions with the device. All options have a confirmation before performing the selected operation.

Figure 3 - Admin

Option	Description
Reboot Device	Allows rebooting the device from the web page.
Factory Reset	Allows factory resetting the device without physically accessing the device.

Device Info

The device information page will show information about the device and its current state.

Figure 4 - Device Info

Item	Description
Board Name	Current name of the board
Serial Number	The serial number of the board
Board Type	Type of device (IIT-ECON-8)
IP Address	Current IP Address of the device
Board Firmware	Current firmware version loaded on this unit
Build Date	Date the firmware was built
Stack Version	Version of the TCPIP stack in use
Current Connections	Current number of connections
Connected Devices	Number of connected devices (sub boards)

Sub Board Info

The sub board section will show the connection state and connection information for each of the 8 ports. Board discovery is performed on boot (or reboot) of the system.
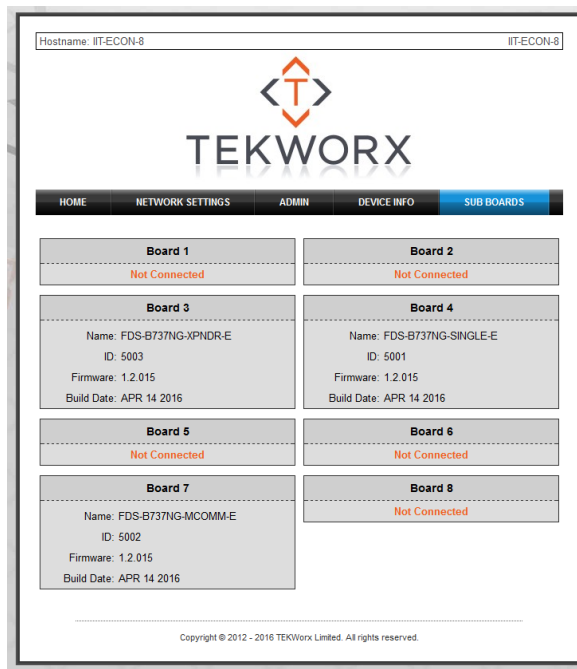

Figure 5 - Sub Boards

Item	Description
Name	Short name of the connected board
ID	Board identifier (4 digit HEX)
Firmware	Current firmware version for this sub board
Build Date	Date the firmware was built

Factory Reset

If for any reason you need to reset the board configuration back to the factory defaults (forgot the static IP, incorrect settings, etc.) you can perform the following steps:

1) Disconnect power from the board
2) Wait 3 seconds
3) Connect power to the board
4) Within 2 seconds press and hold the reset button
5) Hold the reset button for a minimum of 10 seconds (can hold longer)
6) Release the reset button
7) The board will clear its setting and reboot.