

### ETHERNET INTERFACE

The ESTeem Model 195Eg's Ethernet Port is a Full and Half-Duplex Auto-negotiation interface supporting both 10 Mbps and 100 Mbps (10/100BaseT). The Ethernet port is compliant with IEEE 802.3af Power Over Ethernet (PoE) to provide both data and power over the same CAT-5E grade Ethernet cable. The port is compatible with TIA/EIA-568B cable configuration.

### CONFIGURING DHCP SERVER

The ESTeem 195Eg Ethernet port supports both client and server Dynamic Host Configuration Protocol (DHCP). Figure 1 shows the DHCP host configuration screen that will be shown if DHCP server is selected in the setup screens. Enter the values that match the DHCP configuration for your network.

**EST195E Web Configuration Manager**

ESTEEM Wireless Modems

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#### Setup

*This page configures a DHCP server on the **br0** interface.*

*The following fields are the configuration parameters that the DHCP server will return to DHCP clients.*

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Selected Mode of Operation: AP Bridge

DHCP Services: Server

DHCP interface: br0

Enter the local domain name for the network:  [Help](#)

Enter the IP address of the device on your network running as the primary DNS server:

Enter the IP address of the device on your network running as the secondary DNS server:

Enter the network netmask:

Enter the broadcast IP address for the network:

Enter the starting IP address for the lease block of IP addresses:

Enter the ending IP address for the lease block of IP addresses:

Enter the IP address for the default gateway:

Enter the time period (in seconds) at which the DHCP server will write out leases file:

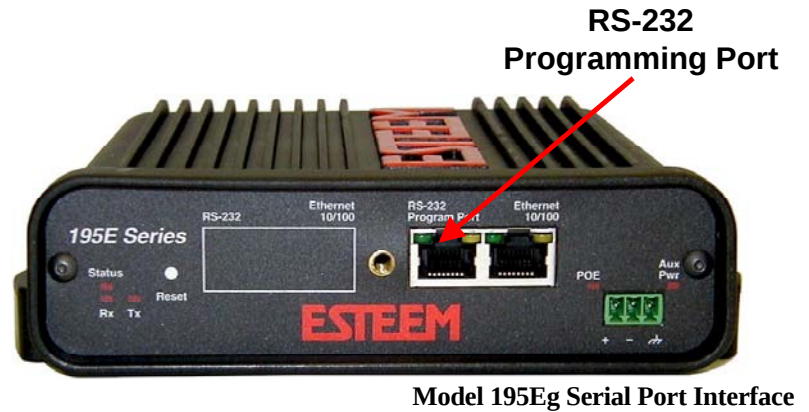
Enter the time period (in seconds) that a lease will be issued:

**Figure 1: DHCP Server Configuration**

### RS-232C PROGRAMMING PORT CONFIGURATION

The ESTeem Model 195Eg has a proprietary RS-232C interface in a RJ-45 connector on the front panel. To interface the 195Eg to the serial port on the computer, you need ESTeem cable AA0621 that combines a standard Ethernet patch cable to a 9-pin Female adapter.

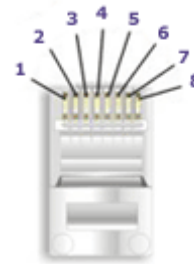
The serial port on the ESTeem Model 192E can be used to access the configuration menu in the ESTeem for system and network configuration. The ESTeem communications port operates at 38,400 bps, No Parity, 8 Data Bits and 1 Stop Bit (38,400,N,8,1). Configure your terminal program to match these settings.



### RS-232 PROGRAMMING PORT PIN-OUT TABLE

**ESTeem Model AA0621  
RS-232C Port Pin-Out Table**

| RJ-45<br>Pin No. | Function            | DB-9<br>Pin No. |
|------------------|---------------------|-----------------|
| 4                | Signal Ground (GND) | 5               |
| 5                | Receive Data (RxD)  | 2               |
| 6                | Transmit Data (TxD) | 3               |



**Ethernet Pin-out**