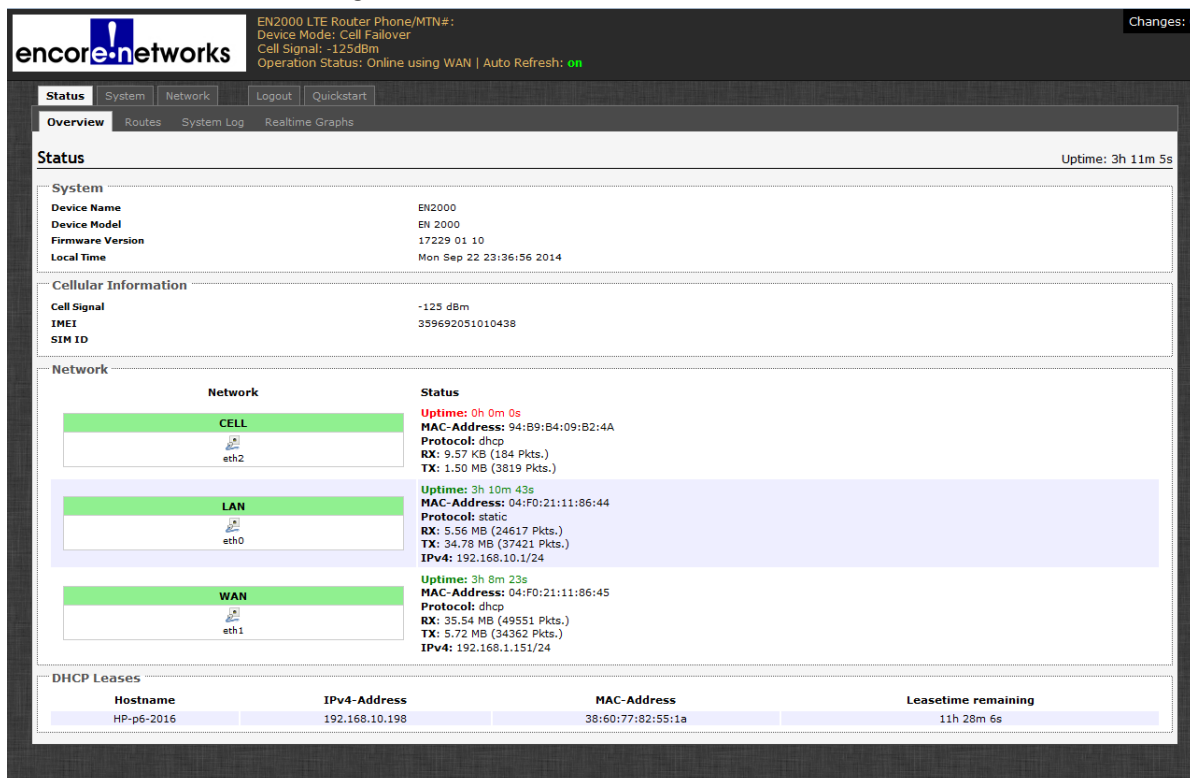


Configuring Traffic Priority for the EN-2000

The EN-2000 provides wireless and cabled connections to a local area network (LAN), to a wide area network (WAN), and to peripheral devices and remote devices. This document discusses Quality of Service (QoS) settings for traffic priority on the EN-2000.

When you log onto the EN-2000 management system, the EN-2000 Status Overview Screen is displayed (Figure 4-1).

Figure 4-1. EN-2000 Status Overview Screen



On the screen, select the **Network** tab. Then select the **Advanced** tab, then the **QoS** tab. The Quality of Service Configuration Screen is displayed (Figure 4-2).

Figure 4-2. Quality of Service Configuration Screen

With QoS you can prioritize network traffic selected by addresses, ports or services.

Interfaces

WAN

Enable

Classification group

Calculate overhead

Half-duplex

Download speed (kbit/s)

Upload speed (kbit/s)

LAN

Enable

Classification group

Calculate overhead

Half-duplex

Download speed (kbit/s)

Upload speed (kbit/s)

CELL

Enable

Classification group

Calculate overhead

Half-duplex

Download speed (kbit/s)

Upload speed (kbit/s)

Classification Rules

Target	Source host	Destination host	Service	Protocol	Ports	Number of bytes	Sort	
priority	all	all	all	all	22,53			Delete
normal	all	all	all	TCP	20,21,25,80,110,443,993,995			Delete
express	all	all	all	all	5190			Delete

Add

Reset Save Save & Apply


Quality of Service is generally configured on the EN-2000's WAN port or on its cellular port. (If the EN-2000 is using connection failover, configure QoS on both those ports. QoS settings may differ for the ports.)

Use the following guidelines to configure Quality of Service for the EN-2000's network traffic.

Note: Consult your network administrator for specific values for the parameters.

- 1 For each port that will use traffic shaping, do the following:
 - a Select the checkbox to **Enable** the Quality of Service feature.
 - b Leave the setting for **Classification Group** at **default**.
 - c Select the checkbox to **Calculate Overhead**.
 - d Leave the checkbox for **Half-Duplex** unchecked.
 - e Set the rates for **Download Speed** and **Upload Speed** (in kbps). Consult your network administrator for the download and upload speeds that each connection uses.

Note: In the **Classification Rules** table (at the bottom of the screen), the rows listed for **Target** traffic shaping are **priority** traffic, **normal** traffic, and **express** traffic.

- 2** Do the following:
 - a** Select the **Add** button (below the left column of the table).
 - ❖ The table displays another row (for **low** traffic).
 - b** At the end of the row for **express** traffic, under the column for **Sort**, select  (the “up” arrow), so that the rows for **Target** traffic shaping are listed in the order shown below.
 - **priority** traffic
 - **express** traffic
 - **normal** traffic
 - **low** traffic
- 3** In the table’s row for **priority** traffic, do the following:
 - a** Under the column **Number of Bytes** (near the end of the row), enter the packet size for the application (in bytes).
 - b** If the default value for any other field in the row needs to be adjusted, select the arrow to the right of that field, and do one of the following:
 - i** Select the field’s new value,
or
 - ii** Select **custom** and type the field’s new value.
- 4** In each row for another type of traffic (**express**, **normal**, and **low**), perform the actions in step 3a and step 3b.
- 5** After values for all the fields on the Quality of Service Configuration Screen have been addressed, do one of the following:
 - a** If you wish to save the configuration and use it immediately, select **Save and Apply**.
 - b** If you wish to save the configuration, for use after the EN-2000 is restarted (but not for immediate use), select **Save**.
 - c** If you wish to discard the configuration, select **Reset**.

