Managing System Resources for Nodes and Queues

The type of ASIC that each line module uses determines the system resources for nodes and queues.

Line modules with the EFA ASIC hardware provide 85,000 descriptors that are shared between all nodes and queues. Each line module supports a maximum of 49,000 nodes or queues per line module.

Line modules with the FFA ASIC hardware provide 2000 level 1 nodes or queues and 64,000 level 2 nodes or queues. The ES2 4G LM provides 2000 level 1 nodes or queues and 128,000 level 2 nodes or queues. The router implicitly creates the level 2 node. Each line module supports a maximum of 64,000 nodes or queues per line module.

Line modules with the TFA ASIC hardware provide 96,000 descriptors that are shared between all nodes and queues. Each line module supports a maximum of 64,000 nodes or queues.

Related Topics

- To identify the type of ASIC used by a line module, see the *ERX Module Guide* and the *E120 and E320 Module Guide*
- Scaling Subscribers on the TFA ASIC with QoS
- For more information about system resource requirements for shadow nodes, see Managing System Resources for Shadow Nodes
- For information about egress memory available on ASIC line modules, see Memory Requirements for Queue and Buffers

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