Engine	Purpose
Pattern Processing Engine	Classification
State Engine	Gathering state information for scheduling and verifying flow is within bounds
Reorder Buffer Manager	Ensure packet order
PDU Assembler	Collect all blocks of a frame
Traffic Manager	Schedule packets and shape traffic flow
Stream EDitor (SED)	Modify outgoing packet

Figure 15.3 Examples of functional units and processors on the Agere APP550 network processor.