

<b>Software</b>	<b>Purpose</b>
<b>C compiler</b>	<b>Compile C programs for the StrongARM</b>
<b>NCL compiler</b>	<b>Compile NCL programs for the StrongARM</b>
<b>MicroC compiler</b>	<b>Compile C programs for the microengines</b>
<b>Assembler</b>	<b>Assemble programs for the microengines</b>
<b>Simulator</b>	<b>Simulate an IXP1200 to debug code</b>
<b>Downloader</b>	<b>Load software into the network processor</b>
<b>Monitor</b>	<b>Communicate with the network processor and interact with running software</b>
<b>Bootstrap</b>	<b>Start the network processor running</b>
<b>Reference Code</b>	<b>Example programs for the IXP1200 that show how to implement basic functions</b>

**Figure 21.2** Major items included in Intel's Software Development Kit. The software allows programmers to use a conventional PC to build and download programs.