- Sixteen microengines that operate at 1.4 GHz
- Two unidirectional sixteen-bit Low Voltage Differential Signaling data interfaces which can be configured to be a SPI-4 Phase 2 or a CSIX switching fabric interface
- Four QDR-SRAM interfaces that each have a bandwidth of 1.6 Gigabytes per second
- Three RDRAM interfaces that each have a bandwidth of 1.6 Gigabytes per second

Figure 27.5 Features of Intel's IXP2800 that distinguish it from the IXP2400.