



**NOTES:**

AES=ADVANCED ENCRYPTION STANDARD.  
 AR4=ALLEGED RC4.  
 ARC4=ADDRESS RESOLUTION CLIENT 4.  
 DDMA=DESCRIPTOR-BASED DMA.  
 DES=DATA ENCRYPTION STANDARD.

MAC=MEDIA-ACCESS CONTROLLER.  
 MD5=MESSAGE DIGEST 5  
 RNG=RANDOM-NUMBER GENERATOR.  
 SHA1=SECURE HASH ALGORITHM.  
 3DES=TRIPLE DATA ENCRYPTION STANDARD.  
 TOY=TIME OF YEAR.

**Figure 5**

The AMD Au1550 security network processor integrates an IPSec VPN packet protocol engine to offload the main application software.