



Integrated Encryption Sub-System Modules	Resources		Performance	
	Slices	BRAMs	Spartan 3 (-4)	Virtex 4 (-10)
IPsec ESP				
3DES-CBC / HMAC-SHA-1-96	~2050	0	~475Mbps Integrity only ~230Mbps Integrity+Confidentiality	~860Mbps Integrity only ~410Mbps Integrity+Confidentiality
AES-CBC / HMAC-SHA-1-96	~2925	18	~425Mbps Integrity only ~425Mbps Integrity+Confidentiality	~810Mbps Integrity only ~810Mbps Integrity+Confidentiality
AES-CBC / AEX-XCBC-MAC-96	~3225	28	~850Mbps Integrity only ~810Mbps Integrity+Confidentiality	~1,590Mbps Integrity only ~1,535Mbps Integrity+Confidentiality
LRW-AES				
Encryptor			Available through consulting services, commercial cores under development	
Decryptor			Available through consulting services, commercial cores under development	
En/Decryptor			Available through consulting services, commercial cores under development	
AES-CCM				
Dual Standard En/Decryptor	~650	5	~300Mbps	~500Mbps
Fast En/Decryptor			Available through consulting services, commercial cores under development	
Dual Fast En/Decryptor			Available through consulting services, commercial cores under development	
AES-GCM				
Fast Encryptor			Available through consulting services, commercial cores under development	
Fast Decryptor			Available through consulting services, commercial cores under development	
Fast En/Decryptor			Available through consulting services, commercial cores under development	
GIGA Encryptor			Available through consulting services, commercial cores under development	
GIGA Decryptor			Available through consulting services, commercial cores under development	
GIGA En/Decryptor			Available through consulting services, commercial cores under development	
MACSec				
Decryption / Integrity Checking			Available through consulting services, commercial cores under development	
Encryption / Integrity Generation			Available through consulting services, commercial cores under development	