



Authentication Core Modules	Resources		Performance	
	Slices	BRAMs	Spartan 3 (-4)	Virtex 4 (-10)
Fast MD5 ¹	~600	1	~500Mbps	~800Mbps
Fast SHA-1 ¹	~575	0	~700Mbps	~1,100Mbps
Fast SHA-256 ¹	~825	1	~550Mbps	~900Mbps
Fast SHA-1/MD5 ¹	~900	1	~400Mbps SHA-1 ~500Mbps MD5	~600Mbps SHA-1 ~700Mbps MD5
Fast SHA-1/SHA-256 ¹	~1,000	1	~400Mbps SHA-1 ~500Mbps SHA-256	~700Mbps SHA-1 ~900Mbps SHA-256
Tiny SHA-1/SHA-224/SHA-256/MD5 with HMAC	~525	1	~31Mbps MD5 ~20Mbps SHA-1 ~17Mbps SHA-256	~48Mbps MD5 ~30Mbps SHA-1 ~25Mbps SHA-256

¹ HMAC engine wrapper available as an option