InterfaceMasters
I N C O R P O R A T E D

Niagara 2100C-2
eCommerce Processor Board

Niagara 2100C-2 is a 64 bit, 66 MHz PCI add on board based on Broadcom BCM5823-200 eCommerce Processor

Niagara 2100C-2 is designed for software applications that demand performance, solid reliability and small form.

Niagara 2100C-2 is designed to fit in any 32-bit or 64 bit PCI slot.
Small form factor to fit in ATX chassis or low profile PCs.

Niagara 2100C-2 is designed for high volume production. Interface Masters can develop new hardware per customer requirement in a short time.

FEATURES	
Processor	Broadcom® BCM5823-200 eCommerce Processor
Throughput	250 1024-bit RSA transactions per second 200 Diffie-Hellman transactions per second 200 Mbps AES-CBC, AES-CTR (up to 256-bit key length) 200 Mbps DES-CBC, 3DES-CBS 320 Mbps ARC4 300 Mbps HMAC-SHA-1, HMAC-MD5
Secure Socket Layer (SSL) v 3.0	512-bit, 768-bit, 1024-bit, 1536-bit, and 2048-bit RSA public key and private key processing.
Transport Layer Security (TLS)	512-bit, 768-bit, 1024-bit, 1536-bit, and 2048-bit RSA public key and private key processing
IETF IPSec and FIPS Compliant Crypto	AES CBC, AES CTR, 3DES CBC encryption / decryption and HMAC-MD5/SHA1 authentication.
IETF IKE	768-bit, 1024-bit, 1536-bit, and 2048-bit Dif-fie-Hellman key generations for IKE handshake. On-chip true random number generator for private key generation.
PCI bus	64 bit, 66 MHz.
Bracket	Choice of two brackets for standard PCI and Low profile PCI
Board Physical Form Factor	64 bit Universal PCI, 2.5" x 6.5"
Software	Free BSD 4.2, Linux, Windows 2000, VxWorks