



# Niagara 2100C-5

## eCommerce Processor Board

Niagara 2100C-5 is a 64 bit, 66 MHz PCI add on board based on Broadcom BCM5823-500 eCommerce Processor

Niagara 2100C-5 is designed for software applications that demand performance, solid reliability and small form.

Niagara 2100C-5 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-5 is designed for high volume production. Interface Masters can develop new hardware per customer requirement in a short time.

FEATURES	
Processor	Broadcom® BCM5823-500 eCommerce Processor
Throughput	<ul style="list-style-type: none"><li>• 550 1024-bit RSA transactions per second</li><li>• 400 Diffie-Hellman transactions per second</li><li>• 500 Mbps AES-CBC, AES-CTR (up to 256-bit key length)</li><li>• 500 Mbps DES-CBC, 3DES-CBS</li><li>• 800 Mbps ARC4</li><li>• 500 Mbps HMAC-SHA-1, HMAC-MD5</li></ul>
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

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Information Subject to change without notice

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