



Niagara 2100PB

eCommerce Processor Board

Niagara 2100B is a 64 bit, 66 MHz PMC (PCI Mezzanine Card) add on board based on Broadcom BCM5821 eCommerce Processor

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

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

FEATURES	
Processor	Broadcom® BCM5821 eCommerce Processor.
Throughput	<ul style="list-style-type: none">• 4000 1024-bit RSA transactions per second• 3000 Diffie-Hellman transactions per second• 470 Mbps Ipsec (3DES, HMAC-SHA-1)• 600 Mbps ARC4
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	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.
Board Physical Form Factor	64 bit Universal PMC, 2.91" x 3.38"
Software	Free BSD 4.2, Linux, win2000, VxWorks

<http://www.interfacemasters.com>

2381 Zanker Rd., Suite 130

San Jose, CA 95131

Phone: 1-408-456-2545 Ext. 14

Information Subject to change without notice

Rev 1.1

