



PE2ISCO11

HW Accelerator SKU11 Compression PCI E Server Adapter Intel® DH8926CL Based

Product Description

Silicom's HW Accelerator Compression PCI Express Server adapters are based on-chip HW accelerator Intel® DH8926CL communication controller.

Silicom's PE2ISCO11 PCI Express Server adapters support Intel QuickAssit Technology for Hardware Compression accelerator engines.

The Silicom's PE2ISCO11 PCI Express Server adapters are optimized to Intel Architecture (IA) support.

The Silicom's PE2ISCO11 PCI Express Server adapters are based on Intel production process that provides the best industry performance, power and cost.

Key Features

Intel® QuickAssist Accelerator

- Symmetric Cryptographic Functions
- Cipher Operations
- Hash/Authenticate Operation
- Cipher-Hash Combined Operation
- Key Derivation Operation
- Random Number Generation
- Compression/Decompression
- Deflate (Lempel-Ziv 77-Stack)
- Support for 32 SR-IOV Virtual Functions
- Support PCI Express Base Specification 2.0 (5 GTs)
- High performance, reliability, and low power use in Intel DH8926CL (sku11)

Coletto Creek performance	Skul1
Intel® Quick Assist Technology Capability	25Gbps
IPSec	none
SSL	none
Compression	20Gbps
Kasumi/ Snow3G	none
RSA Decrypt 1k-bit	none
RSA Decrypt 2k-bit	none

Technical Specifications

Operating Systems Support	
Operating system support:	Linux
General Technical Specifications	
Interface Standard:	PCI-Express Base Specification Revision 2.0 (5 GTs)
Board Size:	Low profile short add-in card: 167.64mm X 68.91mm (6.60"X 2.713")
PCI Express Card Type:	x8 Lane
PCI Express Voltage:	+12V +- 8%
Controller:	Skul1: Intel DH8926CL
Holder:	Metal Bracket: Full Height and Low Height
Operating Humidity:	0%–90%, non-condensing
Operating Temperature:	0°C – 45°C (32°F – 113°F) Air flow requirement for this adapter is 200 LFM
Storage:	-40°C–65°C (-40°F–149°F)

EMC Certifications:

FCC Part 15, Subpart B Class A
Conducted Emissions
Radiated Emissions
CE EN 55022: 1998 Class A Amendments A1: 2000; A2: 2003
Conducted Emissions
Radiated Emissions
CE EN 55024: 1998 Amendments A1: 2000; A2: 2003
Immunity for ITE Amendment A1: 2001
CE EN 61000-3-2 2000, Class A
Harmonic Current Emissions
CE EN 61000 3-3 1995, Amendment A1: 2001
Voltage Fluctuations and Flicker
CE IEC 6100-4-2: 1995
ESD Air Discharge 8kV. Contact Discharge 4kV.
CE IEC 6100-4-3:1995
Radiated Immunity (80-1000Mhz), 3V/m 80% A.M. by 1kHz
CE IEC 6100-4-4:1995
EFT/B: Immunity to electrical fast transients 1kV Power
Leads, 0.5Kv Signals Leads
CE IEC 6100-4-5:1995
Immunity to conductive surges COM Mode; 2kV,
Dif. Mode 1kV
CE IEC 6100-4-6:1996
Conducted immunity (0.15-80 MHz) 3VRMS 80% A.M.
By 1kHz
CE IEC 6100-4-11:1994
Voltage Dips and Short Interruptions
V reduc >95%, 30% >95% Duration 0.5per, 25per, 250per

Order Information

P/N	Description	Notes
PE2iSCO11	HW Accelerator sku11 Compression PCI E Server Adapter	X8, Based on Intel® DH8926CL SKU11, Low-Profile, RoHS compliant

Model P/N -LP

1V4