

NCS2-ICE03A

VPN Acceleration NIC Module with
Intel® Coletto Creek 8950

Intel Coletto
Creek 8950 with
heatsink



Features

Crypto/Decrypto Acceleration

Lanner VPN Accelerator Cards provide high-performance, tunneling and encryption services suitable for site-to-site and remote access applications. This hardware-based VPN acceleration is optimized to handle the repetitive but voluminous mathematical functions required for IPsec. Offloading encryption functions to the card not only improves IPsec encryption processing, but also maintains high-end firewall performance.

As an integral component of many high-end VPN and UTM appliances, Lanner VPN cards can be integrated onto the motherboard.

PCI Express™ x8 Gen.3

NCS2-ICE03A is with PCI Express x8 golden finger, it can be insert into PCI-E x8 Gen.3 expansion slot (throughput up to 8 Gb/s) of Lanner network appliances. For example, customer of FW-Series can purchase this hardware acceleration card to speed up the VPN crypto/decrypto capability.

Intel® QuickAssist Technology

Intel Coletto Creek chipset comes with QuickAssist™ technology, it processes and accelerates packet workloads in cryptography and compression.

Intel® Communication Chipset 8950 Series

The Intel Communication Chipset 8950 Series includes Intel Quick-Assist Technology for improved cryptographic and compression performance. This chipset series provides hardware offload assistance up to 50 Gbps for virtual private networks (VPNs) and helps storage and network optimization applications better handle compression and decompression tasks.

Dimensions 195 x 75 mm (7.67" x 2.95")

Preliminary Specifications

Model Name	NCM/NCS2-ICE03A	
Chipset	Intel Coletto Creek 8950, PCIe x8	
Interface	1x PCI-E x8 Golden Finger	
Temperature	Operating	0 ~ 40°C
	Storage	-10~70°C
Cooling	Locking mechanism type heatsink	
Humidity	5%~95% RH, Non-condensing	
Physical Dimensions	PCB: 195 mm x 75 mm	

Ordering Information

NCM-ICE03A	Wide-type VPN Acceleration NIC Module with Intel Coletto Creek 8950
NCS2-ICE03A	Slim-type VPN Acceleration NIC Module with Intel Coletto Creek 8950