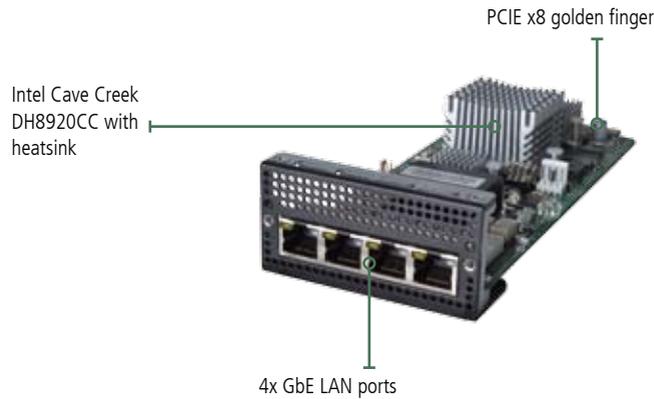


NCS-IGM427

Four GbE LAN ports NIC Module with Intel® Cave Creek DH8920CC



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.

Intel® Communication Chipset 8920 Series

The Intel Communication Chipset 8920 Series includes Intel QuickAssist Technology for improved cryptographic and compression performance. This chipset series provides hardware offload assistance up to 20Gbps for virtual private networks (VPNs) and helps storage and network optimization applications better handle compression and decompression tasks.

Four Copper GbE LAN ports

With this NIC module, customer can expand 4 copper GbE LAN ports (using Intel I347-AT4) with VPN acceleration technology.

PCI Express™ 3.0 x8

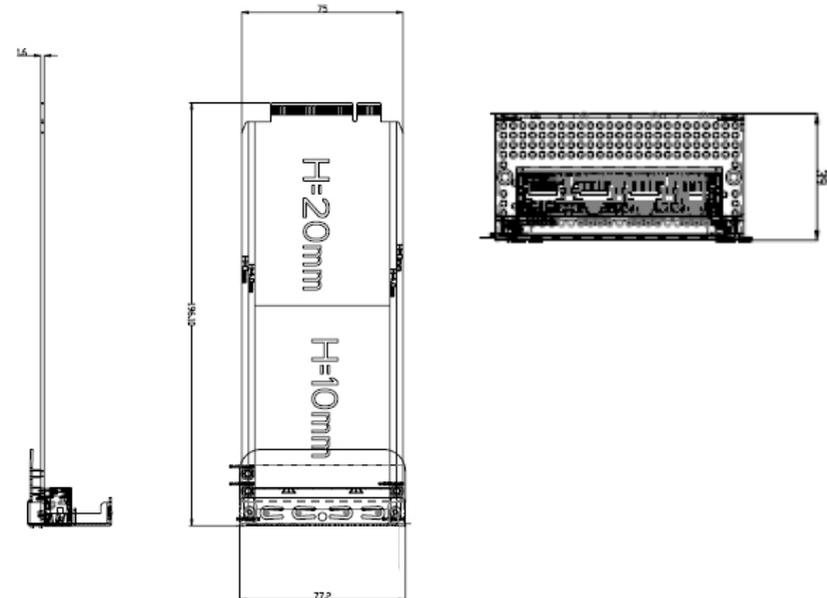
NCS-IGM427 is with PCI Express 3.0 x8 golden finger, it can be inserted into the PCI-E 3.0 x8 NIC module slot of Lanner network appliances, the performance of PCI-E 3.0 can up to 8 GT/s bit rate. For example, customers of Lanner x86 network appliances can use this hardware acceleration card to speed up VPN encryption and decryption capability.

Intel® QuickAssist Technology

Intel® Cave Creek chipset comes with QuickAssist™ technology, which accelerates packet workload processing in cryptography and compression.



Dimensions 196.10 x 77.2 x 39mm



Preliminary Specifications

PCB	NCS-IGM427	
Chipset	Intel Cave Creek DH8920CC, PCIe x8 Intel LAN I347-AT4 for 4x GbE ports	
Interface	1x PCI-E 3.0 x8 Golden Finger	
Connector	4x RJ45 Connectors	
Switch	PEX 8724	
Temperature	Operating	0 ~ 40° C
	Storage	-10~70° C
Cooling	Locking mechanism type heatsink	
Humidity	5%~90% RH, Non-condensing	
Physical Dimemions	PCB: 196.10 x 77.2mm	
PCB Layer	8 Layers	

Ordering Information

NCS-IGM427A	4 GbE LAN ports NIC module with Intel Cave Creek DH8920CC with 2 pairs LAN Bypass
NCS-IGM427B	4 GbE LAN ports NIC module with Intel Cave Creek DH8920CC without LAN Bypass