

NCS2-IXM204A

designed to enhance network capacity and performance in industrial and security hardware systems. It connects to systems via a PCIe interface and is ideal for high-speed networking applications.



■ Features

- 2 x 10GbE SFP+ ports
- Intel® XL710-BM1 chipset
- PCIe 3.0 x8 interface
- SR-IOV support
- VLAN tagging
- RSS for load balancing
- Low latency for real-time applications
- Checksum offloading
- Passive cooling design
- Compatible with Lanner NCA platforms

■ Specifications

Key Specifications of NCS2-IXM204A:

1. **Ports:**
 - o 2 x 10GbE Ports
 - o Equipped with **SFP+ connectors** for fiber optic or Ethernet connectivity.
2. **Network Processor:**
 - o Powered by **Intel® XL710-BM1**, a high-performance chipset optimized for network traffic handling and reduced latency.
3. **Interface:**
 - o Utilizes **PCIe 3.0 x8** interface for high-speed and high-bandwidth connectivity to the motherboard.
4. **Advanced Features:**
 - o **SR-IOV (Single Root I/O Virtualization)** for optimized performance in virtualized environments.
 - o **VLAN Tagging** for efficient traffic segmentation and management.
 - o **RSS (Receive Side Scaling)** to distribute network traffic load across multiple CPU cores.
 - o **Checksum Offloading** to reduce CPU processing overhead.
 - o **Low Latency** support for time-sensitive applications.
5. **Compatibility:**
 - o Compatible with **Lanner NCA platforms** such as **NCA-6210** and **NCA-5520**.
 - o Designed for **network security systems, SD-WAN**, and industrial servers.
6. **Cooling Design:**
 - o **Passive Cooling** for optimized heat dissipation in industrial environments and fanless enclosures.





■ Specifications

Applications of NCS2-IXM204A:

- **Network Security Solutions** such as **NGFW** and **UTM**
- **SD-WAN** and software-defined networking management
- **Network Function Virtualization (NFV)** and virtualized network systems
- Deployment in **industrial servers** and lightweight data centers
- **Low-latency applications** like real-time communications (RTC)

Benefits of NCS2-IXM204A:

- **Increased network bandwidth** with 2 x 10GbE ports
- Optimized CPU performance through offloading and RSS
- Designed for **Lanner's high-performance platforms**
- Ideal for **software-defined networks** and virtualized environments