

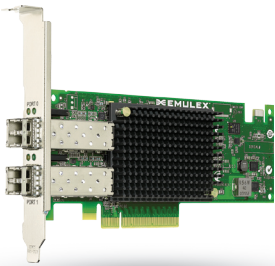


OneConnect™

# OCe1102-N

## High-performance 10Gb/s Network Adapter

**SIMPLIFIED  
NETWORKING,  
TRUSTED SAN  
INTEROPERABILITY  
AND INCREASED  
BUSINESS  
AGILITY**



### Optimized Network Connectivity

The OCe1102-N is a high-performance, dual-port network adapter for 10Gb/s Ethernet (10GbE) networks. Protocol offload for stateless TCP/IP and TCP Chimney provide maximum bandwidth with minimum use of CPU resources.

### Emulex OneConnect Universal CNA platform

The OCe1102-N is a member of the Emulex OneConnect Universal Converged Network Adapter (UCNA) platform that also includes support for Fibre Channel over Ethernet (FCoE) and iSCSI protocol offloads. By using a common infrastructure for Ethernet and storage networks, data centers can reduce capital expense (CapEx) for adapters, switches and cables, and operational expense (OpEx) for power, cooling and IT administration.

### Greener data centers

The Emulex OneConnect UCNA platform delivers industry-leading performance and scalability per watt, reducing requirements for power and cooling. Protocol offload enables efficient use of computing resources, supports more virtual machine (VMs) per CPU, and reduces the number of servers required to support data center demands.

### Advanced error checking

End-to-end data protection with hardware parity, CRC, ECC, Enhanced Error Handling (EEH) and other advanced error checking and correcting ensure that data is safe from corruption.

### Virtualized I/O

New multi-core servers are enabling much higher virtualization ratios. OneConnect adapters support VMware NetQueue to optimize performance and provide full 10Gb/s bandwidth per port.

### Advanced Virtualization Features

OneConnect supports advanced virtualization features from leading server vendors that allow multiple NIC PCI functions to be created on each adapter port. Each NIC function is presented to the operating system or hypervisor as a physical port with a separate MAC address and assigned bandwidth. This enables a single adapter port

### Key Features

#### Superior performance

- TCP/IP stateless offloads
- TCP Chimney Offload

#### Energy-efficient design

- Industry-leading performance per watt
- Complements data center “green” initiatives

#### One platform for network and storage connection

- Part of OneConnect family that includes FCoE and iSCSI support
- Simplifies I/O hardware choices for IT managers

#### Easy to deploy and manage with OneCommand™ Manager application

- One management console for network and storage
- Integrated management of Emulex UCNAs and Host Bus Adapters (HBAs)
- Over 7 million ports administered with Emulex management software

### Key Benefits

#### Optimized for network consolidation

- Maximizes I/O bandwidth with high-performance 10GbE ports
- Same firmware, drivers and management as OneConnect 10GbE blade and LOM solutions.

#### Optimized for server virtualization with vEngine™ technology

- SR-IOV support improves I/O performance with virtual server deployments
- Support for VMware NetQueue delivers full 10Gb bandwidth per port
- More VMs per server with full TCP offloads

#### Enterprise-ready

- Hardware parity, CRC, ECC, Enhanced Error Handling (EEH) and other advanced error checking
- Backed by field-proven Emulex reliability and support



OneConnect™



OneCommand™

