

### 100FX Multi-mode SC Fiber Optic PCI Express Card

#### Product Overview

The LevelOne FNC-0115 Fast Ethernet Fiber Network Interface Card provides network connectivity within high-speed Fiber-Optic networks. The high bandwidth network interface card provides full-duplex network data speeds of up to 200Mbps and support an array of advanced network interface functionality.

#### High-Speed Network Interface

The FNC-0115 PCI Express Card supports PCI Express-bus architecture for servers that require a high-bandwidth environment. The PCI Express is IEEE 802.3x compliant, providing full-duplex flow control and supports data transfer over an 2km fiber connection.

It also requires less server resources by providing on-board verification of IP headers and TCP/UDP checksums for received data.

#### Advanced Networking

The Fast Ethernet Fiber PCI-Express Card provides high-level VLAN filtering and on-board screening of IEEE 802.3Q VLAN tagged Ethernet frames for secured and flexible network.

The FNC-0115 Fast Ethernet Fiber PCI-Express Card further supports a 9K Jumbo Frame Rate, Wake-on-LAN support, Pre-Boot Execution Environment (PXE), Multi-Boot Agent (MBA), Remote Program Load (RPL) and Bootstrap Protocol (BOOTP).



**FNC-0115**

### Key Features

- High-Speed PCI-Express Card
- Supports 200Mbps Full-Duplex mode
- Supports Wake-on-LAN
- Full-Duplex Switching: 2km
- Compliant with IEEE 802.1Q VLAN
- Supports on-board IP header verification and TCP/UDP checksum offload
- Supports Multiple Operating Systems

### Technical Specification

#### Network Interface

##### Standards Compliant

IEEE 802.3u Fast Ethernet 100Base-FX  
 IEEE 802.3x Full-Duplex Flow Control  
 IEEE 802.1Q VLAN

##### Connector

1310nm SC multi-mode

##### Fiber Optic Cable and Length

62.5/125µm, 50/125µm Multi-Mode up to 2km  
 9/125µm Single-Mode up to 80km

##### Data Transfer Mode/Speed

Full duplex with NWay flow control  
 100Mbps speed

##### Bus Slot

PCI-e 1.0 compliant

##### Diagnostics LEDs

Link/Activity  
 Full-duplex Activity

#### Physical Specifications

##### Power Requirement

3W  
 3.3V DC, 0.85A

##### Operating Parameters

Temperature: 0°C to 50°C  
 Humidity: 5% to 90%

##### Dimensions

120mm (L) x 68.5mm (H)

##### Weight

60g

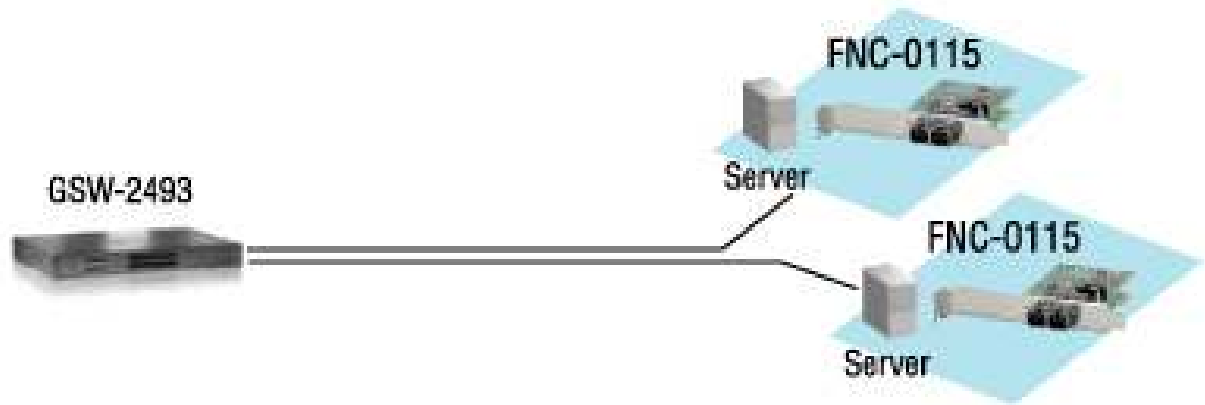
##### Certifications

FCC Class B  
 CE Mark  
 RoHS

##### Software Support

Windows 2000/NT4.0/2003/XP/Vista  
 Novel Netware 4.x  
 Linux  
 NDIS2  
 PXE & RPL Boot ROM

## Product Diagram



## Order Information

**FNC-0115:** 100FX Multi-mode SC Fiber Optic PCI Express Card

### Package Contents:

- FNC-0115
- CD Manual